CONSTRUCTION NEWS

Engineering News-Record, March 12, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Power Development, Washington, Washington Irrigation & Development Co. plans hydro-electric power project on Columbia River with a $28,000,000 dam.

Ohio, New York, Chicago and St. Louis R.R. plan 60 mi. of double track, grading, yards, passenger and freight stations, $10,000,000.

City Hall, Los Angeles, Calif., city having plans for fireproof city hall prepared, $5,000,000.

East St. Louis, Ill., City and Interurban Water Co., making plans for new river intake to connect with present system, $3,000,000.

Warehouse, Houston, Tex., Missouri, Kansas & Texas Ry. having plans prepared, $3,000,000.

Mill, Ft. Worth, Tex., J. R. Griffin plans 50,000 spindle cotton mill, $2,500,000.

Apartment, Brookline, Mass., Roosevelt Inc., having preliminary plans prepared, $2,000,000.

Office, Houston, Tex., Neils Esperson Estate having plans prepared, $2,000,000.

Bridge, St. Johns, Ore., City of Portland having plans prepared for bridge to exceed $2,000,000.

Bids Wanted On Big Jobs

Pipeline, Texas-Houston Oil Co., Houston, Tex., soon takes bids on steel pipe line with pumping equipment, $7,000,000.

Power Development, Yale, Washington—Northwestern Electric Co., Portland, Ore., takes bids about May 1 on 40,000 hp. plant, $1,500,000. Will spend during 1925, $5,000,000.

Clubhouse, Brooklyn, N. Y., B. P. O. E. 22 soon takes bids, $3,000,000.

Hotel, Chicago, Ill., Stevens Hotel Co., $2,000,000.

Court House, Kansas City, Kan., takes bids about May 1, $1,000,000.

Large Contracts Let During Week

Theater, Store and Office, Philadelphia, Pa., Equitable Realty & Holding Corp. to Lynch Constr. Co., Inc., New York City, $6,000,000.

Hospital, Kings Park, N. J., State Hospital Commission to M. Kantrowitz, $2,527,000.

Store and Office, New York, N. Y., J. Tishman & Sons, Inc., will build, $2,500,000.

Apartment, Philadelphia, Pa., Lincoln Drive Apartment Corp. to Longacre Constr. Co., New York City, $1,800,000.

Loft, New York, N. Y., Ralston Realty Co. will build by day labor, $1,500,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close		See Eng. News-Record
WATERWORKS		
Mar. 14	Melrose, Mass.	Mar. 12
Mar. 16	Lake Forest, Ill	Feb. 26
Mar. 16	New York, N. Y.	Feb. 5
Mar. 17	Kansas City, Mo. Adv. Feb. 19 to Mar. 12.	Feb. 19
Mar. 17	Tallahassee, Fla. Adv. Mar. 5 and 12.	Mar. 5
Mar. 17	Garfield, N. J. Adv. Mar. 12.	Mar. 12
Mar. 17	Milwaukee, Wis.	Mar. 12
Mar. 17	St. Paul, Minn.	Mar. 12
Mar. 18	Kansas City, Mo. Adv. Feb. 19 to Mar. 12.	Feb. 19
Mar. 18	Boston, Mass.	Mar. 12
Mar. 19	Kansas City, Mo. Adv. Feb. 19 to Mar. 12.	Feb. 19
Mar. 19	Thorp, Wis.	Mar. 5
Mar. 20	Kansas City, Mo. Adv. Feb. 19 to Mar. 12.	Feb. 19
Mar. 20	Cincinnati, O.	Mar. 12
Mar. 20	Minneapolis, Minn.	Mar. 12
Mar. 21	Kansas City, Mo. Adv. Feb. 26 to Mar. 12.	Feb. 19
Mar. 21	Kansas City, Mo. Adv. Feb. 26 to Mar. 12.	Feb. 26
Mar. 23	St. Augustine, Fla.	Feb. 19
Mar. 30	Bridgewater, Mass. Adv. Mar. 12.	Mar. 12
Mar. 31	Hagerstown, Md. Adv. Mar. 12.	Mar. 12
Apr. 2	Oneida, N. Y. Adv. Mar. 12.	Mar. 12
Apr. 6	Anderson, Ind.	Mar. 12
Apr. 13	Bellingham, Wash.	Mar. 12
Apr. 14	Spartanburg, S. C. Adv. Mar. 5 and 12.	Mar. 5
SEWERS		
Mar. 16	Akron, O.	Mar. 5
Mar. 16	Huntington Park, Calif.	Mar. 5
Mar. 16	Larchmont, N. Y. Adv. Mar. 5 and 12.	Mar. 5
Mar. 17	Pittsburg, Okla.	Mar. 12
Mar. 17	Milwaukee, Wis.	Mar. 12
Mar. 18	Elizabeth City, N. C.	Feb. 19
Mar. 18	East Chicago, Ind.	Feb. 26
Mar. 18	Grand Rapids, Mich.	Mar. 5
Apr. 2	Rome, N. Y.	Mar. 5
WASTE DISPOSAL		
Mar. 18	Rye, N. Y. Adv. Mar. 5 and 12.	Mar. 12
BRIDGES		
Mar. 16	Illinois	Feb. 26
Mar. 16	New Haven, Conn.	Mar. 12
Mar. 16	Illinois	Mar. 12
Mar. 17	Dayton, O.	Feb. 26
Mar. 18	Baltimore, Md.	Mar. 5
Mar. 23	St. Augustine, Fla.	Feb. 19
Mar. 23	Northampton, Mass. Adv. Mar. 12.	Mar. 12
Mar. 24	Hughesville, Pa.	Mar. 12
Mar. 25	West Virginia	Mar. 5
Mar. 30	Karnes City, Tex.	Mar. 12
Mar. 30	New Jersey Adv. Mar. 12.	Mar. 12
Mar. 31	Louisiana Adv. Feb. 26 to Mar. 12.	Feb. 26
Mar. 31	Georgetown, S. C.	Mar. 12
Apr. 1	Huntington, W. Va. Adv. Mar. 5 and 12.	Mar. 5
Apr. 2	Perth Amboy, N. J. Adv. Mar. 12.	Mar. 12
Apr. 2	Hamburg, N. Y. Adv. Mar. 12.	Mar. 12
EXCAVATION, DRAINAGE IRRIGATION, LEVEES		
Mar. 17	Pocahontas, Ia.	Feb. 26
Mar. 17	Minneapolis, Minn.	Mar. 5
Mar. 20	Marlow, Okla.	Feb. 26
Mar. 20	Wakefield, Neb.	Mar. 5
Apr. 1	Clewiston, Fla.	Mar. 5
Apr. 27	Leesburg, Fla. Adv. Mar. 12.	Mar. 12
STREETS AND ROADS		
Mar. 13	Pennsylvania	Feb. 26
Mar. 13	Manitowoc, Wis.	Mar. 5
Mar. 14	Brooklyn, N. Y.	Feb. 26
Mar. 14	Indiana	Mar. 12
Mar. 16	Illinois	Feb. 26
Mar. 16	California	Feb. 26
Mar. 16	Riverside, Calif.	Feb. 26
Mar. 16	New Jersey	Feb. 26
Mar. 16	San Diego, Calif.	Mar. 5
Mar. 16	Plainfield, N. J.	Mar. 5
Mar. 16	Russellville, Ark.	Mar. 5
Mar. 16	Kahoka, Mo.	Mar. 5
Mar. 16	Elkhart, Ind.	Mar. 12
Mar. 16	Crown Point, Ind.	Mar. 12
Mar. 16	St. George, N. Y.	Mar. 12
Mar. 16	New York, N. Y.	Mar. 12
Mar. 16	Hudson, Wis.	Mar. 12
Mar. 16	Le Grange, Ill.	Mar. 12
Mar. 16	Huntington, W. Va.	Mar. 12
Mar. 17	Kentwood, La.	Mar. 5
Mar. 17	New York Adv. Feb. 26 to Mar. 12.	Feb. 26
Mar. 17	Menasha, Wis.	Mar. 12
Mar. 17	Columbus, O.	Mar. 12
Mar. 17	Hattiesburg, Miss.	Mar. 12
Mar. 17	St. Paul, Minn	Mar. 12
Mar. 18	Freehold, N. J. Adv. Mar. 5 and 12.	Mar. 5
Mar. 18	Delaware	Mar. 5
Mar. 18	Alabama	Mar. 5
Mar. 18	Williamstown, Ont.	Mar. 12
Mar. 18	Reading, Pa.	Mar. 12
Mar. 18	Kingstreet, S. C.	Mar. 12
Mar. 19	Columbus, Wis.	Mar. 12
Mar. 19	Dayton, O.	Mar. 12
Mar. 19	St. George, N. Y.	Mar. 12
Mar. 19	New York, N. Y.	Mar. 12
Mar. 20	Orangetown, N. Y. Adv. Mar. 5 and 12.	Mar. 5
Mar. 20	Philippi, W. Va.	Mar. 5
Mar. 20	Williamsport, Pa.	Mar. 12
Mar. 20	Cordell, Okla.	Mar. 12
Mar. 20	Pine Bluff, Ark.	Mar. 12
Mar. 23	Sacramento, Calif.	Mar. 5
Mar. 23	California	Mar. 12
Mar. 23	Waupun, Wis.	Mar. 12
Mar. 23	Clarksburg, W. Va.	Mar. 12
Mar. 23	Ontario	Mar. 12
Mar. 23	Sacramento, Calif.	Mar. 12
Mar. 23	Indianola, Ia.	Mar. 12
Mar. 23	Sioux Falls, S. D.	Mar. 12
Mar. 24	North Dakota	Feb. 26
Mar. 24	New Orleans, La.	Mar. 5
Mar. 24	West Virginia	Mar. 5
Mar. 24	Appleton, Wis.	Mar. 5
Mar. 24	North Carolina Adv. Mar. 5 and 12.	Mar. 5
Mar. 24	St. Louis, Mo.	Mar. 5
Mar. 24	Henrietta, Tex.	Mar. 5
Mar. 24	El Paso, Tex.	Mar. 12
Mar. 24	South Dakota	Mar. 12
Mar. 24	Louisville, Miss.	Mar. 12
Mar. 24	Maryland Adv. Mar. 12.	Mar. 12
Mar. 24	Walterboro, S. C.	Mar. 12
Mar. 25	Rhode Island Adv. Mar. 12.	Mar. 12
Mar. 26	West Virginia	Mar. 5
Mar. 26	Virginia Adv. Mar. 12.	Mar. 12
Mar. 27	Sweetwater, Tex.	Mar. 5
Mar. 27	Sinton, Tex.	Mar. 12
Mar. 27	Pennsylvania Adv. Mar. 12.	Mar. 12
Mar. 27	Deal, N. J. Adv. Mar. 12.	Mar. 12
Mar. 29	California	Feb. 19
Mar. 30	Duluth, Minn.	Feb. 12
Mar. 30	Kingston, Pa.	Mar. 12
Mar. 30	Akron, O.	Mar. 12
Apr. 1	Birmingham, Ala.	Feb. 19
Apr. 1	Tuscaloosa, Ala.	Feb. 19
Apr. 1	Cape May, N. J. Adv. Mar. 12.	Mar. 12
June 1	Duluth, Minn.	Mar. 12
Apr. 3	North Dakota	Mar. 5
Apr. 6	Sedalia, Mo.	Mar. 12
Apr. 7	North Dakota	Mar. 5
Dec. 11	Davenport, Ia.	Mar. 5

Bids Close		See Eng. News-Record

BUILDINGS—INDUSTRIAL

Mar. 16	Hibbing, Minn.	Mar. 5
Mar. 16	Phila., Pa.	Mar. 12
Mar. 21	Bonduel, Wis.	Mar. 12
Mar. 21	Milwaukee, Wis.	Mar. 12

BUILDINGS—COMMERCIAL

Mar. 14	Blasdell, N. Y.	Mar. 5
Mar. 15	Gonzales, Tex.	Feb. 19
Mar. 15	Quincy (Boston P. O.), Mass.	Feb. 26
Mar. 15	New Orleans, La.	Mar. 5
Mar. 16	Davenport, Ia.	Mar. 5
Mar. 16	Minneapolis, Minn.	Mar. 12
Mar. 16	Baltimore, Md.	Mar. 12
Mar. 16	Phila., Pa.	Mar. 12
Mar. 16	Camden, N. J.	Mar. 12
Mar. 16	St. Paul, Minn.	Mar. 12
Mar. 16	Oran, Mo.	Mar. 12
Mar. 17	Hannibal, Mo.	Mar. 5
Mar. 17	Freeport, Ill.	Feb. 5
Mar. 17	Dayton, O.	Feb. 26
Mar. 17	Iowa City, Ia.	Mar. 5
Mar. 17	Vineland, N. J.	Mar. 5
Mar. 17	Chicago, Ill.	Mar. 12
Mar. 17	Sioux City, Ia.	Mar. 12
Mar. 17	Harrisburg, Tex.	Mar. 12
Mar. 17	Johnstown, Pa.	Mar. 12
Mar. 17	Phila., Pa.	Mar. 12
Mar. 18	Wingdale, N. Y. Adv. Feb. 26 to Mar. 12.	Feb. 26
Mar. 18	Lincoln, Neb.	Mar. 5
Mar. 18	Attleboro, Mass.	Mar. 12
Mar. 18	Wisconsin	Mar. 12
Mar. 18	Wausau, Wis.	Mar. 12
Mar. 18	Carthage, Mo.	Mar. 12
Mar. 19	Brooklyn, N. Y.	Mar. 5
Mar. 19	Hiawatha, Kan.	Mar. 5
Mar. 19	Canton, O.	Mar. 12
Mar. 20	Altoona, Pa.	Mar. 12
Mar. 20	Milwaukee, Wis.	Mar. 12
Mar. 23	Cincinnati, O.	Mar. 12
Mar. 23	Norwood, O.	Mar. 12
Mar. 23	Detroit, Mich.	Mar. 12
Mar. 24	Cumberland, Md.	Mar. 5
Mar. 24	Little Rock, Ark.	Mar. 12
Mar. 25	New Bedford, Mass.	Mar. 5
Mar. 25	Mechanicsville, N. Y.	Mar. 5
Mar. 25	Creston, Ia.	Mar. 12
Mar. 27	Buffalo, N. Y.	Mar. 12
Mar. 30	Mt. Vernon, Ind.	Mar. 12
Mar. 31	Washington	Mar. 12
Apr. 1	Zanesville, O.	Feb. 19
Apr. 1	San Francisco, Calif.	Mar. 12
July 14	Phila., Pa.	Feb. 19

FEDERAL GOVERNMENT WORK

Mar. 16	Generator Unit—Buffalo, N. Y.	Feb. 26
Mar. 17	Buildings—Great Lakes, Ill.	Feb. 19
Mar. 17	Post Office—Kenton, O.	Feb. 19
Mar. 17	Power Cable, etc. — Wash., D. C.	Mar. 12
Mar. 18	Water Piping—Wash., D. C.	Mar. 5
Mar. 20	Steel—Louisville, Ky. Adv. Mar. 5 and 12.	Mar. 5
Mar. 20	Bridges — Wilmington, Del. Adv. Mar. 5 and 12.	Mar. 5
Mar. 20	Dredging—Providence, R. I. Adv. Feb. 19 to Mar. 12.	Feb. 19
Mar. 22	Substation Equipment — Ft. Warren, Mass.	Mar. 12
Mar. 25	Extension—San Francisco, Calif.	Mar. 5
Mar. 27	Dredging—Providence, R. I. Adv. Feb. 26 to Mar. 12.	Feb. 26
Mar. 27	Drainage—Baltimore, Md. Adv. Mar. 12.	Mar. 12
Mar. 28	Dredging—Charleston, S. C. Adv. Feb. 26 to Mar. 12.	Feb. 26
Mar. 30	Post Office—Thibodaux, La. Adv. Mar. 5 and 12.	Mar. 12
Mar. 31	Sheet Piling—Louisville, Ky. Adv. Mar. 5 and 12.	Mar. 5
Mar. 31	Earthwork—Memphis, Tenn. Adv. Mar. 12.	Mar. 12
Mar. 31	Repairs—Fort Wright (Fishers Island P. O.), N. Y. Adv. Mar. 12.	Mar. 12
Apr. 1	Alterations—Norfolk, Va.	Mar. 12
Apr. 4	Dredging—Galveston, Tex. Adv. Mar. 5 and 12.	Mar. 5
Apr. 8	Hangars—Pearl Harbors, H. T.	Feb. 19
Apr. 9	Dredging — New York, N. Y.	Mar. 12
Apr. 10	Cement—Louisville, Ky. Adv. Mar. 12.	Mar. 12
Apr. 15	Water Tank—Guantanamo Bay, Cuba	Mar. 12

UNCLASSIFIED

Mar. 13	Inspection Shed—New York, N. Y.	Mar. 5
Mar. 17	Subway—Phila., Pa.	Feb. 19
Mar. 20	Station Finish—Brooklyn, N. Y.	Mar. 12
Mar. 23	Estuary Tube—Oakland, Calif.	Feb. 5
Mar. 23	Harbor Improvements—Port Stanley, Ont.	Mar. 5
Mar. 24	Guard Rail — South Dakota	Mar. 12
Mar. 25	Subway—Rochester, N. Y. Adv. Mar. 5 and 12.	Mar. 5
Mar. 25	Fire Alarm System—Willard, N. Y.	Feb. 26
Mar. 25	Fire Sprinklers—Buffalo, N. Y.	Feb. 26
Mar. 25	Heating Work—Utica, N. Y.	Mar. 5
Mar. 25	Fire Protection—Utica, N. Y. Adv. Mar. 12.	Mar. 12
Mar. 31	Heating, Ventilating, etc., Ithaca, N. Y. Adv. Mar. 5 and 12.	Mar. 12
Mar. 31	Police and Fire Alarm — Mobile, Ala. Adv. Mar. 5 and 12.	Mar. 5
Apr. 16	Fire Protection — Newark, N. Y. Adv. Mar. 12.	Mar. 12
May 8	Tunnel—New York, N. Y. Adv. Mar. 5 and 12.	Mar. 5

MATERIAL AND EQUIPMENT

Mar. 13	Ties and Timber—New York, N. Y.	Mar. 5
Mar. 13	Sand, Gravel, etc.—Buffalo, N. Y.	Mar. 5
Mar. 16	Grader—Hastings, Minn.	Mar. 5
Mar. 16	Street Sprinkler—West Milwaukee (Milwaukee P. O.), Wis.	Mar. 12
Mar. 16	Roofing Material, etc.—New York, N. Y.	Mar. 12
Mar. 16	Gravel and Sand, etc.—Boston, Mass.	Mar. 12
Mar. 17	Paving Blocks and Cement—Milwaukee, Wis.	Mar. 12
Mar. 17	Cable, etc.—Boston, Mass.	Mar. 12
Mar. 17	Road Oil — St. Paul, Minn.	Mar. 12
Mar. 17	Tractor — Minneapolis, Minn.	Mar. 12
Mar. 18	Asphaltic Cement — Pennsylvania	Feb. 26
Mar. 18	Asphaltic Cement, etc. — St. George, N. Y.	Mar. 12
Mar. 18	Patching, etc. — Boston, Mass.	Mar. 12
Mar. 19	Tandem Roller—Cincinnati, O.	Mar. 12
Mar. 19	Cement—Boston, Mass.	Mar. 12
Mar. 24	Street Sweeper—Appleton, Wis.	Mar. 5
Mar. 24	Graders — Montevideo, Minn.	Mar. 12
Mar. 30	Snow Plows—Delaware Adv. Mar. 12.	Mar. 12
Apr. 1	Crane — Melbourne, Australia	Feb. 19
Apr. 3	Street Flusher and Truck — Wauwatosa, Wis.	Mar. 12

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Canton — Bd. Selectmen plans extending mains from town proper to York Dist. $30,000. Engineer not selected.

Mass., Lawrence—City Pub. Wks. Dept. plans boiler and pump, also c.i. pipe and concrete filter basin. Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, Pa., engrs.

Mass., Wrentham — Bd. Selectmen plans extending water system in western section of town to Sheldonville. Engineer not selected. $35,000.

Conn., Putnam — Water Dept. plans to purchase 3 m.g. motor driven centrifugal pump. $8,500. A. Chapdelaine, mayor.

Pa., Neville Island (mail McKees Rocks) —Ohio Valley Water Co., 523 Lincoln Ave., Bellevue, having plans prepared 1 story, 34 x 62 ft., brick water softening plant and equipment, also steel tank, 18 ft. diam. and 10 ft. high, here. $75,000. J. N. Chester, Union Bank Bldg., Pittsburgh, engr.

Fla., Bartow—Election Mar. 31, $120,000 bonds extending water system. R. B. Huffaker, mayor.

O., Canton—Plans developing new water source, incl. wells and necessary pumping stations. $150,000. W. E. Sarver, city engr.

O., Columbus—See "Streets and Roads."

Ill., East St. Louis—City and Interurban Water Co., 513 Missouri Ave., making preliminary plans new river intake on Chonteau Island near mouth of Missouri River, and conduit to connect with present plant and distribution system, etc. $3,000,000. Private plans.

Ia., Red Oak—Making preliminary plans improving waterworks and extending distribution system. Election in spring $40,000 bonds for same.

Neb., Greenwood — Plans waterworks system. $25,000. Grant, Fulton & Letton, 525 South 13th St., Lincoln, engr.

Mo., Boonville — Soon takes bids two motor driven centrifugal pumps. $7,500.

Mo., Steele—Voted $30,000 bonds waterworks plant, pumps, reservoir and mains. A. C. Moore, 222 Industrial Bldg., Joplin, engr.

Tex., Flatonia—Election Apr. 15, $70,000 bonds waterworks and sewerage systems. Municipal Eng. Co., 1715 Praetorian Bldg., Dallas, engrs. Noted Mar. 5.

Tex., Hillsboro — Voted $25,000 bonds waterworks and sewer extensions. Address A. M. James, city secy. Noted Jan. 29.

Tex., Houston—Election Apr. 13, $750,000 bonds waterworks improvements, incl. work at Scott St. plant. O. F. Holcombe, mayor. Engineer not selected.

Tex., Idalou—Making plans waterworks, mains, laterals, well, pumping equipment, etc. $40,000. Montgomery & Ward, Wichita Falls, engrs.

Tex., Jayton—Voted $50,000 bonds, constructing entire system, incl. well, mains, pumping equipment, etc. Montgomery & Ward, City Natl. Bank Bldg., Wichita Falls, engrs. Noted Oct. 16.

Tex., Victoria—Takes bids after Mar. 15, 34 x 52 ft. waterworks plant addition, rein.-con. and hollow tile, also 90 ft. rein.-con. smoke stack, and two 6 x 18 ft. boilers. $35,000. W. E. La Noue, c/o Texas State Bank Bldg., San Antonio, engr.

Calif., Gustine — Plans election $15,000 bonds, new water tank, improving pumping equipment and new mains. A. E. Cowell, Merced, engr.

Calif., Perris — Made plans 500,000 gal. reservoir and extending pipe line to connect with same. J. P. Flynn, city engr. Noted Jan. 29.

BIDS DESIRED

Mass., Boston—Mar. 18, by Dept. Pub. Wks., City Hall, mains in Landseer Terrace, West Roxbury Parkway, Metropolitan Ave., Beech, Francis, Keith, Maynard and Popular Sts., in West Roxbury; also Astor and Flint Sts. in Dorchester; and York St. in Brighton. $15,000. J. A. Rourke, comr.

Mass., Bridgewater—Mar. 30, at office of Bd. Water Comrs., about 10 mi. 6- to 14-in. c.i. mains. Barbour & Dixon, Tremont Bldg., Boston, consult. engrs.; adv. E. N.-R. Mar. 12.

Mass., Melrose—Mar. 14, at office City Engineer, City Hall, c.i. water pipe during year of 1925. A. M. Tibbitts, mayor.

N. Y., Oneida — Apr. 2, by Bd. Water Comrs., constructing Contracts B, C and D, on Florence Creek Water Project. M. E. Brophy, city clerk; adv. E. N.-R. Mar. 12.

N. J., Garfield—Mar. 17, by W. Burke, mayor and City Council, complete deep well water and pumping system. J. Novack, city clk.; adv. E. N.-R. Mar. 12.

O., Cincinnati—Mar. 20, by Director Pub. Serv., 750 lin.ft. 36-in. c.i. pipe for water distribution system for Eden Park Reservoir. $10,000. F. Krug, City Hall, engr.

O., Cleveland — A. K. Hoare comr. Purchases & Supplies, taking bids one 60 m.g. per hour steam turbine, reduction gear driven centrifugal pumping unit for Kirtland Pumping Station.

O., Columbus—See "Streets and Roads."

Ind., Anderson—Apr. 6, by R. L. Creson, city clk., drilling and equipping water well which will guarantee to furnish water at the rate of 700 U. S. gal. per minute, etc. W. H. Donney, Anderson, engr.

Minn., Minneapolis—Mar. 20, by F. S. Gram, city purch. agt., two 48-in. horizontal flanged gate valves. N. W. Elsberg, city engr.

Minn., St. Paul — Mar. 17, by H. W. Austin, city purch. agt., corporation stops, curb stops, copper tubing and other fittings for Water Dept. G. M. Shepard, city engr.

Neb., Ruskin—Village Clerk taking bids and open same about Mar. 12, waterworks and distribution system. $16,000. Henningson Eng. Co., 12th St., Omaha, engrs. Noted Feb. 19.

Okla., Ponca City — J. W. Crow, city purch. agt., in market for 2,500 g.p.m. motor driven pump.

Ariz., Flagstaff—Mar. 31, by City Clerk, 50 m.g. concrete reservoir, earth embankment type, 94,000 cu.yd. excav., 1,700 cu.yd.

Waterworks (Continued)

concrete and 2,500 squares Gunite; approximately 79,000 ft. 13- to 16-in. copper bearing slip joint steel pipe flow line; distribution system improvements, incl. furnishing, hauling and laying 14,300 ft. 12 and 14 in. Mathison joint steel and 1,400 ft. 12 in. c.i. pipe, also reclaiming and relaying 26,650 ft. 6, 8 and 10 in. c.i. pipe. Burns & McDonnell, 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Jan. 22.

Wash., Bellingham — Apr. 13, by City Council, high line main. $265,000. W. B. Short, city engr.

Calif., San Bernardino—Water Comn. in market for 5,000 ft. each 2.5, 3 and 4 in. full weight standard merchant pipe, black, threaded and coupled with thread protectors, not dipped, also 5,000 ft. 6 in. and 1,000 ft. 8 in. O. D. lap-welded steel water pipe with B & S ends for lead joints. W. Starke, supt.

Calif., San Bernardino—W. Starke, supt. Water Comn., in market for 1,150 lin.ft. 8 in. and 10,000 lin.ft. 6 in. riveted steel water pipe.

BIDS RECEIVED

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Mar. 9, mains in Barker, Barnes, Byron, Chaffee, Cranford, Ely, Meagher, Pitman and Tieman Aves., from C. De Blasio, 339 7th Ave., Mt. Vernon, $10,765; in Carolin St., etc., from Stanhey Constr. Co., Steinway Ave., Long Island City, $21,945. Noted Mar. 5.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Mar. 4, mains in Arden, Bismarck, Bowles, Fitzgerald, Hammersley, Kissam Aves., etc., from G. V. Cornell, Rosebank, $27,500.

O., Cleveland—City, 36 in. (a) steel or (b) c.i. mains in (1) 11,700 ft. North Raw Water Main Dist. (2) 5,000 lin.ft. Pearl Rd., West Side High Service Main, (3) 15,750 ft. Edgewater Dr., from Great Lakes Constr. Co., 200 B. F. Keith Bldg., (a1) $308,295; from Langhan Constr. Co., Marshall Bldg., (a2) $88,575; from Joseph, Kalill & Jackson, Erie Bldg., (b2) $94,858 (a3) $280,060. Noted Feb. 26.

Wis., Wauwatosa—A. V. Brigham, city clk., Feb. 27, from Waterous Fire Engine Co., 80 Fillmore Ave., St. Paul, Minn., 25 hydrants at $80 and $75 each, twenty-five 6 in. gate valves $25.50 each, and six 8 in. gate valves $40 each. Noted Feb. 19.

CONTRACTS AWARDED

N. J., Sea Girt—Common Council 150,000 gal. elevated steel water tank with steel tower, to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $9,500. Noted Feb. 5.

N. C., Aulander — Water and sewerage systems, to L. D. Harper, Rocky Mount, $80,000.

Ill., Highland—B. D. Tibbetts, city clk., 52,774 ft. 2- to 8-in. c.i. mains in various streets, 65 fire hydrants, 71 valves and 6 boxes, clear well, filter plant of 2 units 600,000 g.p.m., two 700 g.p.m. motor driven pumps, to Merkle Mchy. Co., 1733 Walnut St., Kansas City, Mo., $125,000. Noted Feb. 19.

Ill., Pinckneyville — For 1,400 g.p.m. centrifugal pump and motor, 500 g.p.m. and two 600 g.p.m. pumps and motors, 500 g.p.m. fire pump and gasoline engine, to Farrar Pump & Machine Co., Granite Bldg., St. Louis, Mo., $5,337. Noted Feb. 19.

Wis., Fond du Lac — Water Dept., J. Breister, supt., to J. B. Clow & Sons, 544 South Franklin St., Chicago, Ill., 2,500 ft. 4 in. pipe at $54.50 per ton, and 3,000 ft. 6 in. pipe $50.50 per ton. Noted Feb. 19.

Wis., New London—City, c/o C. Thompson, city clk., will lay 7,050 lin.ft. 6 and 8 in. Class B mains in various streets, by day labor. To exceed $15,000.

Ia., Ames — City will construct 3 mi. mains, various sizes, with own forces. P. F. Hopkins, city mgr. Noted Mar. 5.

Kan., Kansas City—Two 4 m.g. motor driven centrifugal pumps, to DeLaval Steam Turbine Co., 401 Dwight Bldg., Kansas City, $5,725. Noted Mar. 5.

Tex., Corpus Christi—Pump and Diesel engine driven generators, to San Antonio Machine & Supply Co., 325 North Center St., San Antonio, $43,725. Noted Feb. 19.

Okla., Braman—Waterworks, incl. open well, elevated tank and tower, and distribution mains, to Galaciez Constr. Co., Enid, $21,421. Noted Jan. 8.

Okla., Durant—City will construct 6,600 ft. 4- to 8-in. mains, water softening plant, etc., by day labor under supervision of L. V. Stinson, City Hall, engr. $35,000. Noted Oct. 30.

Wash., Seattle—Bd. Pub. Wks., mains in West Marginal Way, LID 3947, to G. Argenteria & Co., 1819 Weller St., $63,797. Engrs. est. $70,695. Noted Feb. 26.

Calif., Los Angeles — Los Angeles Co. for fire protection and water system, also water softeners at Olive View Sanitorium, here, to Howard-Olsen Co., 2103 Santee St., $28,085.

Sewers

PROPOSED WORK

Conn., Watertown — Bd. Water Comrs., F. W. Judson, chn., plans sewage system. $25,000. Engineer not announced.

N. J., Hawthorne—Takes bids about June 15, sewerage system. $300,000. H. J. Harder, 129 Market St., Paterson, engr.

W. Va., Charleston — Election Mar. 19, $100,000 bonds, sanitary sewerage system. D. C. Dolly, city clk.

Fla., Bartow—Election Mar. 31, $41,000 bonds extending sewerage system. R. B. Huffaker, mayor.

O., Canton—Bd. Control soon takes bids about 1 mi. South West Storm Water Sewer. $50,000. W. E. Sarver, City Hall, engr.

O., Cincinnati—Plans 1,590 ft. 8- to 24-in. vitr. clay and 2,973 lin.ft. 33- to 42-in. trunk sewer in Montgomery Pike and Woodmont Ave. $69,100. F. Krug, City Hall, engr.

O., Columbus—See "Streets and Roads."

O., Martins Ferry — City Council soon takes bids for 25,000 lin.ft. sewers in Heil-Davis addition. $51,000. A. Lundberg, Martins Ferry, engr.

Wis., Janesville — H. Traxler, city mgr. soon takes bids 1,000 ft. 30 in. concrete 400 ft. 18 in., 600 ft. 15 in., 9,000 ft. 12 in. and 2,300 ft. 15 in. vitr. sewer pipe. C. V. Kerch, City Hall, engr.

Neb., Columbus—City, c/o W. Becker, clk., plans storm sewer with outlet in Loup River. $45,000. M. Gottschalk, Columbus, engr. Noted Jan. 1.

Ark., Batesville—Plans 22,000 ft. 8- to 12-in. sanitary sewers, etc., in Dist. 4, comprising West Batesville. $30,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, Okla., engrs.

Tex., Clarendon—Election Apr. 3, $121,000 bonds sanitary sewerage system. F. E. Devlin, 614 Bitting Bldg., Wichita, Kan., engr.

Tex., Donna—Voted $40,000 bonds sewer extensions and improvements. W. Whigham, mayor. Noted Feb. 19.

Tex., Flatonia—See "Waterworks."

Tex., Hillsboro—See "Waterworks."

Tex., Houston—Election Apr. 13, $250,000 bonds sanitary sewer extensions. J. C. McVey, city engr.

Tex., O'Donnell—Election soon $100,000 bonds sewer and waterworks improvements, incl. mains, disposal plant, pumping equipment, etc. Lynn Co., O'Donnell, engrs. Address Mayor.

Tex., Rosebud — Voted $38,000 bonds, sewerage system. G. W. Lehman, mayor. Engineer not selected. Noted Feb.19.

Okla., Blanchard — Making preliminary plans 4 mi. sewers and septic tank. $26,000 bonds sold. Engineer not selected. A. J. Slack, mayor.

Okla., Medford — Making preliminary plans 4 mi. sewers and septic tank. $30,000. Engineer not selected. F. Fisk, mayor.

Okla., Prague—Election Mar. 17, $30,000 bonds for disposal plant and 15,800 ft. 10- to 15-in. vitr. clay sewers in all streets. Holway Eng. Co., Wright Bldg., Tulsa, engrs.

Nev., Sparks—Making preliminary plans new sewer mains, laterals and septic tank. $200,000 or more. King & Malone, Washoe Co. Bank Bldg., Reno, engrs.

Calif., Los Angeles—City Council plans 6 and 8 in. sewers complete in Marcia Dr. between Maltman Ave. and Edgecliffe Dr.; 6 in. vitr. sewer in Montezuma St. in Highland Park Terrace, 8 in. cement sewer in 84th St. between Vermont and Raymond Aves., and in Ellett Pl. H. A. Van Norman, city engr.

Calif., Patton—See "Buildings—Commercial."

Calif., Santa Barbara — Making plans East Side Drainage System, 20,000 cu.yd. excav., 16,750 ft. 18- to 54-in. concrete pipe, etc., $100,000; East Side Sewer (lower system), 8,500 cu.yd. excav., 18,400 ft. 6- to 14-in. virt. pipe, 60 manholes, etc., $70,000. L. R. Walker, City Hall, engr.

BIDS DESIRED

Va., Richmond—Mar. 6, at office of R. K. Compton, dir. Pub. Wks., constructing segment block, terra cotta and precast rein.-con. sewers, also furnishing segment block, precast rein.-con., and terra cotta pipe, cement, brick castings, and steps. $425,000.

O., Columbus—See "Streets and Roads."

Wis., Milwaukee — Mar. 17, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., 4,363 lin.ft. 30 in. concrete and 5,144 lin.ft. 18 and 24 in. terra cotta sewer, etc., in Sect. 2 Lincoln Ave. T. C. Hatton, c/o owner, engr.

Wis., Milwaukee — See "Material and Equipment."

Okla., Pittsburg — Mar. 17, by H. N. Beussey, city clk., septic tank and 20,000 ft. 6- to 12-in. vitr. clay sewers in all streets. $27,000. Gant Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted Jan. 15.

BIDS RECEIVED

Md., Baltimore — Bd. Awards, 1,850 ft. 48 and 54 in. and 760 ft. 36 in. concrete, also 1,270 ft. 15 in. vitr. sanitary sewers in Storm Water Contr. 82, from F. D. Carozza, Govans, $39,539. Noted Feb. 26.

O., Cleveland—For 1,100 ft. 15 in. vitr. tile sewer in Oak Park Ave., and 4,585 ft. 12- to 24-in. in Kildeer Ave., from Salem & George, Bros., Erie Bldg., $8,469 and $17,130 respectively; 4,220 ft. 12- to 24-in. in Chicasaw Ave., from Hadded & Karial Constr. Co., 640 Huron Rd., $15,132.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 150th Ave., to Paino Bros., 32 Court St., Brooklyn, $749,240. Noted Mar. 5.

Md., Baltimore—Bd. Awards, 12,000 ft. lateral sanitary sewers, etc., in Dist. 47 E. Contr. 217, to N. Martell, 417 South Eden St., $36,181. Noted Mar. 5.

O., Columbus—W. H. Duffy, dir. Pub. Serv., storm sewer in Darmoor Rd., Contr. 1, 1,272 ft. 108 in., and 1,735 ft. 69 in. pipe, also Contr. 2, 5,920 ft. 36- to 72-in. pipe, to Conley Bros., Cincinnati, $69,953 and $84,623 respectively. Engrs. est. $100,000 each.

Ill., Highland—For 52,023 ft. 6- to 15-in. vitr. clay sewers in various streets, 47,700 cu.yd. excav., 400 ft. 15 in. sewer on trestle, 275 ft. 8 in. pipe under railroad, 80 manholes, 62 catch basins, 13 drop manholes, etc., to Fjellafold & Chapman, Forest City, Ia., $100,149.

Wis., Milwaukee — J. H. Fowles, secy. Sewerage Comn., 508 Market St., superstructure for 120 x 500 ft., brick and steel sludge storage building, on Jones Island, to Paul Riesen's Sons, 1018 Humboldt Ave., $97,464. Noted Nov. 13.

Wis., North Milwaukee — Metropolitan Sewerage Comn., 508 Market St., Milwaukee, J. H. Fowles, secy., main sewer in Hampton Ave. and 43rd St., 5,600 ft. 30 in. concrete and 1,420 ft. 12 in. terra cotta pipe, 327 vertical ft. standard and 66 vertical ft. drop manholes, to G. E. Zimmermann, 3402 Grand Ave., Milwaukee, $144,700. Engrs. est. $150,000.

Mo., St. Joseph—Brookdale Relief Sewer, to Hanson & Willadson Co., 411 Arlington Bldg., Omaha, Neb., $46,239.

Mo., Salem — For 9,630 ft. 6- to 15-in. vitr. clay sewers, rectangular type Imhoff tank, manholes, etc., to Easley Bros., Aurora. Noted Jan. 15.

Okla., Seminole — For disposal plant, septic tank, 14,800 ft. 6- to 12-in. vitr. clay sewers in all streets, to Sherman Iron Wks., 18 East Main St., Oklahoma City, $34,230. Engrs. est. $36,000.

Calif., Los Angeles—Los Angeles Co., to P. Reach, 612 New High St., sewer in Compton Ave. between Shorb and Slauson Aves., 5,259 ft. 8 in. cement pipe at $1.63 per ft., 2,659 ft. 10 in. $1.81, 4,108 ft. 12 in. $2.04, 1,068 ft. 15 in. $2.75, and 11,600 ft. 6 in. vitr. pipe $0.98.

B. C., Point Grey—Sewers in Blenkin St. and Marine Dr., to N. Casco, 1381 Seymour St., Vancouver, $35,659.

Waste Disposal

PROPOSED WORK

N. Y., New York—City making plans 2 story, 72 x 275 ft., rein.-con. and brick, waste disposal plant, Stanton St. $500,000.

BIDS DESIRED

N. Y., Rye—Mar. 18, by W. H. Selzer, village clk., 30 ton incinerator, north of Rye Beach Ave. and west of Blind Brook. J. A. Ehler, village engr.; adv. E. N.-R. Mar. 12.

O., Cleveland—See "Material and Equipment."

Bridges

PROPOSED WORK

Tennessee—Polk Co. (Benton) and Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Connasauga River, near Georgia State line.

Tenn., Knoxville — City and Southern R.R. Co., 13th St. and Pennsylvania Ave.,

Bridges (Continued)

Wash., D. C., making surveys rein.-con. viaduct over railroad tracks at Broad St. $250,000. L. Brownlow, city mgr. J. B. Ackers, ch. engr.

Wisconsin and Iowa — Prairie du Chien and Iowa Bridge Co., c/o E. C. Garvey, Prairie du Chien, plan approximately 2 mi. steel bridge over Mississippi River, connecting Prairie du Chien, Wis., with McGregor and Marquette, Ia. $700,000. J. F. Jackson, 1536 Humboldt Ave., Milwaukee, engr.

Kansas — Lyons Co. (Emporia) soon takes bids two 140 ft. span steel or Marsh arch bridge over Neosho River near Hartford, also 30 ft. concrete arch bridge, and 60 ft. steel span bridge, both with 20 ft. roadways, on Federal Aid Project 260, Sect. D of Northeastern Rd. W. S. Ruggles, Emporia, engr.

Kan., Newton—Harvey Co. making preliminary plans 235 ft. deck arch bridge, 25 ft. roadway and 200 ft. water way, etc. over Sand Creek, on West Bway. $35,000. Marsh Eng. Co., 205 Masonic Temple, Des Moines, Ia., engr.

Kan., Winfield—Cowley Co. soon takes bids 4 span 140 ft. steel truss bridge with 20 ft. concrete roadway, over Arkansas River, at Summitt St. $95,000. W. S. Ruggles, Winfield, engr.

Mo., Kansas City—Park Bd., City Hall, making plans 3,800 ft. highline viaduct, probably rein.-con. spanning five railroads, on Washington Park Blvd. $1,000,000. W. H. Dunn, City Hall, engr.

Tex., Barstow—See "Streets and Roads."

Tex., Beaumont—City and Southern Pacific Ry., 65 Market St., San Francisco, Calif., plan rein.-con. and steel viaduct over railroad tracks. $300,000 bond election at once for city's portion of cost. Total $600,000.

Tex., San Angelo—City and Tom Green Co. plan steel and concrete bridge across North Concho River on Abe St., city election April 1 for $20,000 bonds, its share of cost. Total cost $40,000. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs.

Okla., Clinton — State Hy. Dept., Oklahoma City, made plans 2 span 140 ft. steel and concrete bridge, here, Custer Co., $35,000. J. M. Page, highway engr.

Ore., St. Johns (Sta. Portland)—City of Portland appointed G. Ludenthal, engr., Penn Terminal, New York City, to prepare plans and estimates for new St. Johns Bridge across Willamette River. To exceed $2,000,000.

Calif., Pomona—City, Los Angeles Co. (Los Angeles), Southern Pacific R.R. Co., 65 Market St., San Francisco, and Union Pacific Ry., 58 East Washington St., Chicago, Ill., making plans viaduct. $90,000. F. C. Froehde, city engr.

Calif., Santa Barbara — Voted $60,000 bonds constructing five bridges over Mission and Alisos Creeks. G. Morrison, city engr. Noted Feb. 5.

Calif., Santa Barbara—Defeated $100,000 bonds constructing Carillo St. viaduct and approaches. G. D. Morrison, city engr. Noted Jan. 29.

Que., Gentilly—Dept. Pub. Wks. Provincial Government, Quebec, made plans new bridge, here. $30,000. I. E. Vallee, c/o owner, engr.

Ont., Hawkesbury — Dominion Government, Ottawa, plans interprovincial bridge over Ottawa River, here, $40,000, also St. Annes Lock Highway Bridge over Ottawa River, at Isle Perrot, $50,000.

B. C., Victoriaville—Made plans rebuilding 3 span 400 ft. steel bridge, to replace one destroyed by flood. $40,000. I. E. Vallee, c/o Dept. Pub. Wks., Quebec, engr.

BIDS DESIRED

Mass., Northampton — Mar. 23, by Bd. Pub. Wks., City Hall, removing existing iron truss bridges and constructing Cooks Dam Bridges, etc., over Mill River on Main St., Leeds, here. T. F. McGrath, chn.; adv. E. N.-R. Mar. 12.

Conn., New Haven—Mar. 16, at office of director Pub. Wks., Room 16 City Hall, rein.-con. bridge over Morris Creek, at South End Rd. between Meadow View St. and new bridge, 1,950 cu.yds. rock cut, 6,600 cu.yd. filling. E. D. Nettleton, city engr.

N. Y., Hamburg—Apr. 2, by J. E. Leach, town clk. at office G. B. Abbott, supervisor, Hamburg Finance Bldg., Main St., steel truss highway bridge known as McGee or Bridge 3, across Eighteen Mile Creek. G. C. Diehl, 577 Ellicott Sq., Buffalo, co. engr.; adv. E. N.-R. Mar. 12.

New Jersey — Mar. 30, by State Hy. Comn., Trenton, removing existing highway bridge and constructing new bridge, etc., over Alloways Creek, M. P. 3.7-S, Route 6, Salem Co. A. L. Grover, secy.; adv. E. N.-R. Mar. 12.

N. J., Perth Amboy — Apr. 2, by Bd. Freeholders Middlesex Co., County Record Bldg., New Brunswick, Trunnion Bascule span bridge over Woodbridge Creek, on State St., here, Woodbridge Twp. W. F. Buchanan, 175 Smith St., acting co. engr.; adv. E. N.-R. Mar. 12.

Pa., Hughesville — Mar. 24, by Comrs. Lycoming Co. (Williamsport), 120 ft. steel riveted truss bridge on rein.-con. abutments, 16 ft., at Bryans Mill near here. M. C. Krause, Williamsport, co. engr.

Virginia—See "Streets and Roads."

S. C., Georgetown — Mar. 31, at office Georgetown Co. Hy. Comn., 596 ft. rein.-con., steel and creosoted timber bridge and approaches on State Route 40, State Project S-562. State Highway Engineer, 1626 Main St., Columbia, engr.

Illinois—Mar. 16, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, three 40 ft. span, rein.-con. and steel bridge, on Route 33, Sect. 7-B, Effingham Co., 72,550 lb. structural steel. F. T. Sheets, ch. engr.

South Dakota — Mar. 24, by State Hy. Comn. Pierre, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)** grading 10.8 mi. S. A. P. 110 McPherson Co., Leola E., 99,258 yd. common excav. etc., 12.3 mi. F. A. P. 184 B, Beadle Co., Wolsey N., 95,132 yd. common and 353 yd. rock excav. etc., 11.99 mi. F. A. P. 188 B, Hutchinson Turner-McCook Counties, Freeman N., 78,261 yd. common and 78 yd. rock excav., etc., 10.51 mi. F. A. P. 189 A, Chas. Mix-Brule Counties, Academy N. W., 79,202 yd. common and 1,589 yd. rock excav., etc., 14.03 mi. F. A. P. 191 C, Clark Co., Clark S., 121,043 yd. common and 210 yd. rock excav., etc., 12.98 mi. F. A. P. 191 A, Day Co., Webster S., 82,069 yd. common and 549 yd. rock excav., etc., 13.85 mi. F. A. P. 171 C, Marshall Co., Britton E., 88,260 yd. common and 3,514 yd. rock excav., etc., 12.48 mi. F. A. P. 171 B, Brown Co., Barnard E., 91,602 yd. common and 705 yd. rock excav., etc., 14.11 mi. F. A. P. 178 C, Yankton Co., 11.03 mi. F. A. P. 171 D, Brown Co., and 12.5 mi. F. A. P. 185, B, Jackson Co.; one 45 ft. viaduct on F. A. P. 171 C, Marshall Co., 13,500 lb. reinforcing etc., four 23 ft. viaduct on F. A. P. 189 A, Chas. Mix-Brule Counties, 23,342 lb. reinforcing, etc. and one 34 ft. viaduct on S. A. P. 110, McPhearson Co., 7,943 lb. reinforcing, etc. T. Soliglad, acting highway engr.

South Dakota—See "Streets and Roads."

Tex., Henrietta — See "Streets and Roads."

Tex., Karnes City — Mar. 30, by O. N. Powell, Karnes City, engr. Karnes Co., three concrete and steel bridges, Rd. Dist. 3 on state highway radiating from here. $35,000.

Washington—See "Streets and Roads."

BIDS RECEIVED

New Jersey—Bd. Freeholders Monmouth Co., Freehold, reconstructing Main St. bridge, Matawan, also concrete bridge on Main St., Allenhurst, from L. J. Seiling, Red Bank, $18,708 and $29,357 respectively. Noted Feb. 19.

Tex., Houston—See "Streets and Roads."

Tex., Pearsall—See "Bridges."

Colo., Denver — Through plate girder bridge across South Platte River at West 3rd St., from J. Everett Young Constr. Co., Tramway Bldg., $35,872.

California — State Hy. Comn., Sacramento, Mar. 2, 180 ft. rein.-con. bridge over San Juan Creek, Orange Co., from Stevens Bros. & Haas, Lomita, $26,792. Noted Feb. 19.

CONTRACTS AWARDED

Alabama—State Hy. Dept., Montgomery, several small bridges on Georgiana-McKenzie-Conechu Co. line Rd., Butler Co., to D. F. Harvey, Memphis, Tenn., $39,436; on Fayette-New Lexington Rd., Tuscaloosa Co., to Lamb & McLemore, Eutaw, $102,059.

Ohio—See "Streets and Roads."

Ia., Marion — Lynn Co., bridges and culverts in Franklin, Lynn, Boulder, Clinton, Spring Grove and Fayette Twps., to P. Jayne, Marion, $48,178. Noted Feb. 12.

Neb., Pawnee City — Pawnee Co. for bridge, to Walker Robb, Pawnee City, $30,000.

Tex., Barstow — Ward Co. (Barstow) and Reed Co. (Pecos) 193 ft. steel truss and concrete girder bridge, with concrete piers over Pecos River, to Brown-Abbott Co., Inc., Wilson Bldg., Dallas, $28,997. Engrs. est. $26,500. Noted Feb. 26.

Tex., Floresville — See "Streets and Roads."

Tex., Sonora—See "Streets and Roads."

Oklahoma—See "Streets and Roads."

Okla., Harrah—State Hy. Dept. Oklahoma City, bridge over Canadian River, on Federal Aid Project 131, Sect. D, here, Oklahoma Co., to T. Evans, Oklahoma City, $99,498.

Dam

PROPOSED WORK

Washington — See "Unclassified" under Power Development.

Railways

PROPOSED WORK

North Carolina—See "Buildings—Industrial" under High Point.

Ohio — New York, Chicago & St. Louis R.R., c/o J. Bernet, pres., Columbia Bldg., Cleveland, applied to Interstate Commerce Comn. for construction permit 60 mi. double tracking from Waverly to Valley Crossing, incl. grading, yards, passenger and freight stations. $10,000,000. J. K. Conner, Columbia Bldg., Cleveland, engr.

Kansas and Oklahoma — Chicago, Rock Island & Pacific R.R. Co., 179 West Jackson Blvd., Chicago, Ill., plans 42 mi. second main line track between Latimer and McFarland, Kan., $1,200,000; branch line from Ponca City, Okla., to Billings, Okla., $850,000; freight terminals, tracks, buildings, etc., $250,000; new coal chute, appurtenance, etc. at Topeka, Kan., $30,000. C. A. Morse, ch. engr.

California—City and San Francisco Co. plan election $2,045,000 bonds for portion of cost of Bernal Cut, and $1,826,000 bonds, portion of cost for tunnels. Total $3,971,000. M. M. O'Shaughnessy, city engr.

CONTRACTS AWARDED

Missouri — Missouri, Kansas & Texas R.R., Railway Exch. Bldg., St. Louis, will build concrete pier and pile trestle approach to bridge on Houston division, $50,000; additional trackage at Springtown, Okla., 21,000; car sidings, cinder pit, etc., at McKittrick, Mo., $30,000; replace 341 ft. pile trestle with creosoted ballast dock trestle on Dallas division, $19,000, by day labor. E. A. Hadley, ch. engr.

Nevada—Blue Diamond Co., 2200 East 16th St., Los Angeles, Calif., 12 mi. railroad connecting Union Pacific with Arden, Nev., to C. E. Shannahan & Co., 543 San Fernando Bldg., Los Angeles, approximately $60,000.

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Ill., Vandalia—Okaw Valley Outlet D. D., Fayette Co., making preliminary plans straightening Okaw River to protect 65,000 acres, incl. approximately 10,000,000 cu.yd. excav. suitable for bridges, etc. J. V. Waddell, Vandalia, engr. T. N. Jacob, 1900 Railway Exch. Bldg., St. Louis, Mo., consult. engr.

Ark., Newport—Locust Slough D. D. 12, Jackson Co., takes bids about May 1, levees, drainage ditches, laterals, etc. Bowman Eng. Co., Newport, engrs. Noted Nov. 13.

Calif., Stockton—Plans election $3,000,000 bonds to finance deep water project, dredging, etc. W. B. Hogan, city engr.

Canada—Dominion Government, Ottawa, Ont., plans improving Chambly Canal $46,000, Lachine Canal $72,000, Soulanges Canal $20,000, St. Annes Lock $12,000, Ontario-St. Lawrence Canals $107,000, St. Peters Canal $45,000, Trent Canal $435,000, Welland Canal $15,151,000; dredging at Lunenberg, N. S. $60,000, Malagash, N. S. $22,700, St. Marys River $28,000; reconstructing breakwater and dredging at North Ingonish, N. S., and dredging in Gaspereau River, North Elgin, N. B. $20,000, Doucet Landing, Que. $25,000, Pentecost River, Que. $22,000, St. Antoine de Tilly, Que. $15,000, Valleyfield, Que. $32,000, Blind River, Ont. $47,000, Byng Inlet, Ont. $38,000, Honey Harbor $15,800, Owen Sound, Ont. $83,000, Pembroke, Ont. $64,500, Point Edward, Ont. $30,000, and Courtney Bay, B. C. $35,000.

BIDS DESIRED

Me., Rockland—New England Portland Cement & Lime Co., taking bids removing about 50,000 to 75,000 yds. loose soil, gravel and spalls on steam shovel rental basis or yardage price, also 1 mi. railroad siding. Private plans.

Fla., Leesburg—Apr. 27, by City, about 46,500 cu.yd. sand and muck fill. H. S. Jandon Eng. Co., Leesburg, engrs.; adv. E. N.-R. Mar. 12.

BIDS RECEIVED

Calif., San Francisco — State Harbor Comn., Ferry Bldg., Feb. 19, 160,000, cu.yd. dredging trench, from Amer. Dredging Co.,

Excavation, Drainage, Irrigation, Levees (Continued)

255 California St., at $0.30 per cu.yd., total $48,000; constructing dike, 172,000 to 200,000 tons native rock, from F. W. Camp Co., 734 Bush St., Proposal 1 $0.60 per ton, Proposal 2 $0.60 per ton, total complete project $124,200. Noted Feb. 12.

CONTRACTS AWARDED

Miss., Charleston—Patterson Bayou D. D., Tallahatchie Co., 13 mi. levee, approximately 540,000 cu.yd. levee work and 84,000 cu.yd. excav., to W. E. Callahan Constr. Co., 506 Olive St., St. Louis, Mo. Noted Jan. 22.

O., Cleveland—City, dredging Cuyahoga River, to Great Lakes Dredge & Dock Co., Williamson Bldg., $69,675.

Neb., Dakota City—Omadi D. D., c/o A. Nelson, secy., 2 mi. ditch, 20 ft. wide on bottom, approximately 102,000 cu.yd. for dragline, to Callahan-Walker, 1106 First Natl. Bank Bldg., Omaha, at $0.087 per cu.yd. Noted Feb. 19.

Mo., Glasgow—W. A. Labus, secy. Porterfield Levee Dist., approximately 11 mi. levees, 120,000 cu.yd. excav., to C. J. Reise, Kansas City, Kan., $0.22 per cu.yd. and 3 months or less. Noted Feb. 19.

Calif., San Francisco — State Harbor Comn., Ferry Bldg., furnishing and driving seven hundred and thirty 71 to 75 ft. green piles in connection with rock levee and fill for Islais Creek Reclamation Project 2, to Healy-Tibbitts Constr. Co., 64 Pine St., $24,600. Noted Feb. 12.

Streets and Roads

PROPOSED WORK

Mass., Lakeville — Bd. Selectmen plans reconstructing of Precinct St., and repairing various other streets. $30,000. Engineer not selected.

Mass., Medford — Plans curbstones and granolithic sidewalks on principal main streets. $62,000. F. R. Charnock, Medford Bldg., city engr.

Mass., Winthrop — Town Bd. Selectmen plans resurfacing Bowdoin St. from Magees Corner to Oakland St., and repairing and widening various other streets. $25,000. Engineer not selected.

N. J., Burlington—Bd. Freeholders Burlington Co. plans concrete paving 1 mi. Jacksonville Rd. $33,750. H. B. Smith, Mt. Holly, engr.

Pa., Clearfield—Boro Council soon takes bids brick or concrete paving 6,000 lin.ft. Bigler and Turnpike Aves., Daisy and 2nd Sts., 20 ft. $70,000. E. W. Hess, Murray Bldg., engr.

Pa., Pittsburgh—Making plans repaving Bway., Jancey, East Carson, Charles, Sarah and Hobart Sts., Preble and Wylie Aves. $361,000. City, c/o Dept. Pub. Wks., City-County Bldg., engrs.

Fla., Manatee — Plans grading, paving and curbing, Tallout St. $25,000, Church St. $25,000, Jackson St. $25,000, Market St. $25,000; portions of Graham, Esplanade and Academy Sts. $43,424, Braden and Riverside Sts. $25,000, South St. $25,000, Central St. $25,000, Curry St. $25,000, Market and Riverside Sts. $25,000, Magnolia and Spring Sts. $25,000, Castle and Spring Sts. $25,000. A. Orebaugh, Manatee, engr.

Miss., Woodville — Wilkinson Co. plans grading and gravel surfacing 30 mi. Woodville Louisiana Highway, Ft. Adams, Lower Natchez and Perry Creek Rds., 18 ft. $100,000. W. L. Hays, co. clk. This corrects report in Feb. 26 issue.

La., Baton Rouge—Rejected bids Dec. 16, grading, curbing and gravel surfacing, etc., 94,000 sq.yd. various streets. J. W. Billingsley, City Hall, engr. Noted Jan. 8.

Tennessee — Hawkins Co. (Rogersville) and State Dept. Hys. & Pub. Wks., Nashville, plan grading, probably limestone macadam surfacing, etc., 10 mi. road from point near Rogersville-Pressmons Home Rd. J. G. Greveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 4 mi. Millington-Tipton Co. line Rd., Shelby Co. J. G. Creveling, highway engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving approximately 15 mi. Lee Highway from Cleveland to Charleston, Bradley Co. J. G. Creveling, highway comr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 25 mi. LaFollette-Kentucky State line Rd., Campbell Co. J. G. Creveling, highway comr.

Tenn., Dyersburg—Dyer Co. voted $1,000,000 bonds, constructing and paving roads. Noted Feb. 19.

Tenn., Union City—Obion Co. plans election to vote on bonds, surfacing approximately 138 mi. various roads.

O., Canton—Stark Co. plans improving 3 mi. Canton-Alliance Rd., 14 ft. $60,000-$65,000. A. Wise, Canton, co. engr.

O., Canton—Bd. Control takes bids in spring, improving about 1 mi. DeWalt Ave. S. W., 14 ft. $40,000, Dewey Pl., S. W. $30,000, 0.75 mi. 13th St. N. W., 20 ft. $25,000-$45,000, and 0.5 mi. Smith Ave., 25 ft. $30,000. W. E. Sarver, City Hall, engr.

O., Cincinnati — Plans granite curbing, sidewalks and repaving 1,650 ft. Hamilton Ave., 100 sq.yd. vitr. brick, 7,200 sq.yd. 4 in. granite block and 60 sq.yd. asphalt. $69,645. K. Krug, City Hall, engr.

O., Cleveland Heights (Warrensville P. O.)—Cuyahoga Co. (Cleveland) takes bids in spring and summer, paving 15 mi. of Sylvanhurst, Henderson, Shedbourne, Tremont, Kirkwood, Cummings, Grosvenor, Staunton, Antisdale, Yellowstone, Northampton, Roanoke, Englewood, Oxford, Lowell, Cedar, Ardmore, Elmwood, Erieview, Navahoe, Pomona, Rosemond, Sylvania, Allston, Superior, Medford, Nobleshire, Randolph, Vineshire and Revere Rds. $967,470. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Columbus — Making plans grading, laying water services and sewer connections and paving 518 ft. alley north of Hanford St., 16 ft., brick $3,546, concrete $3,131; 1,546 ft. allies west of Bruck St. and Champion Ave., also north of Wilber and 8th Aves., all foregoing 20 ft., brick $12,368, concrete $10,909; 416 ft. alley north of Main St., 25 ft., brick $4,216, concrete $3,751; 4,282 ft. Kelton and Thurman Aves., both 30 ft., brick $85,288, asphalt $68,983. R. H. Simpson, city engr.

O., Columbus — Making plans grading, laying water services and sewer connections and paving in 3,572 ft. 2nd and Kelton Aves., 30 ft., brick $67,883, asphalt $52,803; also laying 9,172 ft. 8 and 10 in. sanitary sewers etc. in Linden Ave., and alley north of Sullivan Ave., $22,467. R. H. Simpson, city engr.

O., Dayton—Montgomery Co. plans asphalt, brick, concrete or macadam paving 800 ft. Evergreen St., $17,500; and macadam or rolled gravel surfacing 5,500 ft. Kings Highway, $22,500, both in Harrison Twp. W. A. Pease, co. surv.

O., Dayton—Plans improving Eaton Ave., 12,000 sq.yd. concrete, 7,000 lin.ft. each concrete curb and gutter, etc., $79,943; sheet asphalt resurfacing 65,000 sq.yd. East and West 3rd Sts., $95,285. J. F. Hale, city engr.

O., Dennison—City soon takes bids improving Stillwater Ave. $30,000. Tuscarawas Co. (New Philadelphia) appropriates $12,000 toward cost.

O., Medina — Wayne Co. takes bids in spring improving 2.5 mi. Rittman-Wadsworth Rd., 22 ft. $75,000.

O., St. Clairsville — Belmont Co. soon takes bids bituminous concrete paving 4 mi. St. Clairsville-Glencoe Rd. $80,000. P. Murphy, St. Clairsville, engr.

O., Youngstown—Bd. Control soon takes bids resurfacing section of Youngstown-New Bedford Rd. $35,000. City will pay 25% of cost. G. Turner, city engr.

Ill., Knoxville — Soon takes bids brick paving 21,905 sq.yd. Main St. F. M. Connolly, 432-33 Peoples Trust & Savings Bank Bldg., Galesburg, engr.

Ill., Maywood—Soon takes bids grading, hard-surfacing, etc., 10th and 11th Aves., etc. $140,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Wis., Oconomowoc—Making plans paving 12,000 sq.yd. Hickory and 2nd Sts., various types material considered. To exceed $25,000. J. A. Stemper, City Hall, engr.

Kan., Hays—Ellis Co. made plans grading, bridging, etc. 10.02 mi. Federal Aid Project 286-A and B, 28 ft. G. L. Campbell, Salina, consult. engr.

Kan., Kingman—Making plans grading and surfacing 4 blocks Main St., 76 ft. $50,000. C. A. Haskins, Finance Bldg., Kansas City, Mo., engr.

Mo., Clayton—St. Louis Co. election Apr. 7, $5,000,000 bonds hard surfacing various roads. R. Jablonsky, Clayton, engr

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids granite curbing, warrenite on concrete paving 5,275 sq.yd. Milentz St. $25,600; asphaltic concrete paving 840 sq.yd. Kuhs Pl. $6,550; granite curbing and warrenite paving 2,965 sq.yd. Eller St. $24,400; granite curbing and asphaltic concrete paving 1,750 sq.yd. Pence St. $9,300; concrete curbing, guttering and Willite paving 965 sq.yd. Gardenville St. $7,200; concrete curbing and paving 1,645 sq.yd. Alabama St. $8,460; asphalt paving 1,475 sq.yd. Nebraska St. $5,400; Willite paving 5,745 sq.yd. Shenandoah St. $22,800; brick or vibrolithic paving 4,670 sq.yd. Shenandoah St. $29,400. W. W. Horner, 300 City Hall, engr.

Tex., Anson—Jones Co. takes bids after Mar. 20, hard surfacing 30 mi. state highway across county, 18 ft. $600,000. F. E. Devlin, 614 Bitting Bldg., Wichita, Kan., engr. Noted Mar. 5.

Tex., Barstow — Ward Co. rejected bids grading, surfacing and bridging 4.61 mi. Federal Aid Project 391-B. $28,000. S. S. Posey, Pecos, engr. Noted Feb. 26.

Tex., Cleburne—Making plans asphaltic concrete paving 8 blocks Caddo St. $25,000. J. Hughes, city secy. Engineer not announced.

Tex., Cuero—De Witt Co. making plans improving Cuero-Westhoff Rd. $300,000. State Hy. Dept., Austin, appropriates two thirds of cost. S. Kulawik, Cuero, judge. Terrell Bartlett Engineers, Calcasieu Bldg., San Antonio, engrs.

Tex., Ft. Worth—Plans 11 mi. highway to Lake Worth, 18 ft. Right-of-way to be donated by property owners. D. L. Lewis, City Hall, engr.

Tex., Gonzales—Gonzales Co. plans paving road through entire county. $260,000. State Hy. Dept., Austin, appropriated two thirds of cost. Address County Commissioners.

Tex., Hondo—Medina Co. making plans caliche surfacing 3 mi. State Highway 27, 15 ft. $25,000. Walton & Arneson, Gunter Bldg., San Antonio, engrs.

Tex., Houston—Election Apr. 13, $300,000 bonds (city's portion) for macadam, gravel and shell paving various streets; $750,000 bonds permanent paving various streets, and $500,000 bonds roadways on 2 sides Buffalo Bayou to Turning Basin. O. F. Holcombe, mayor.

Tex., San Angelo—Election Apr. 1, $80,000 bonds permanent paving Oakes St. Address mayor.

Okla., Hartshorne — Plans grading and concrete surfacing 11,600 sq.yd. Pennsylvania Ave. $45,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engr.

Okla., Kingfisher — Kingfisher Co. defeated $800,000 bonds surfacing Meridian Highway. Will hold another election for same latter part of this year. J. M. Page, Capitol Bldg., Oklahoma City, engr. Noted Jan. 22.

Okla., Oklahoma City—Oklahoma Co. rejected bids grading and surfacing 4.945 mi. road from point northeast of Edmond to Logan Co. line, Federal Aid Project 130-B and C. $155,000. Noted Jan. 15.

Okla., Pawhuska—Plans grading, concrete curbing and paving Revard St. and 4 alleys, 2,600 sq.yd. sheet asphalt and 3,660 sq.yd. concrete. $28,430. J. M. Buckley, Pawhuska, engr.

Okla., Stillwater—Plans grading and concrete surfacing 7 blocks 5th, 7th, 8th and Husband Sts., Dist. 39, 24 ft. $28,800. K. R. Fellows, Stillwater, engr.

Colo., Denver — Plans grading, curbing and surfacing South Denver Paving Dists. 18, 19 and 20, each ½ mi. square. A. K. Vickery, City Hall, engr.

N. M., Tucumcari — Made preliminary plans paving various streets. $150,000. F. E. Devlin, 614 Bitting Bldg., Wichita, Kan., engr.

Wash., Bothell — City Clerk takes bids about Apr. 3, concrete paving 5 blocks Bothell Way, Main and 2nd Sts. $26,000. C. E. Wilkins, Bothell, engr.

Wash., Chehalis — City Council takes bids about Apr. 1, paving Vine St., Maryland, New York and Ohio Aves. E. G. Sturdevant, Chehalis, engr.

California — State Hy. Comn., Sacramento, plans reconstructing and widening 6 mi. highway between Galivan and Capistrano, Orange Co. $50,000. R. M. Morton, Sacramento, highway engr.

Calif., Coronado — Plans oil macadam paving streets east of Orange Ave. To exceed $25,000. T. J. Allen, city engr.

Calif., Long Beach—Plans improving approximately 8 mi. Pacific Ave., Livingstone Dr., East Ocean Blvd., Hill, Anaheim, 1st and 3rd Sts. R. D. Van Alstine, city engr.

Calif., Los Angeles—Plans improving approximately 20 mi. streets in Sawtelle Dist. $500,000 or more. H. A. Van Norman, City Hall, engr.

Calif., Los Angeles — Soon takes bids curbing, guttering, paving, etc., Ogden and Kingsley Drives, Fremont, 40th, Valencia, Roscoe and Tremont Sts., 37th, 56th, Cabrillo, Hyperion, Belmont, Franklin and Guordia Aves., and alleys south of Oliver St. and west of Mesa St. H. A. Van Norman, city engr.

Calif., Los Angeles—Making plans and takes bids about Mar. 16, curbing, guttering, sheet asphalt and asphaltic macadam paving Goldwin Terrace, Santa Monica Blvd., Citrus, Ascot, 5th and Lecouvreur Aves., Yucca, O'Farrell, Nolden and Rinehart Sts. $100,000. H. A. Van Norman, City Hall, engr.

Calif., Monterey—Plans grading and paving streets in "New Monterey." $80,000 or more. H. D. Severance, city engr.

Streets and Roads (Continued)

Calif., Pomona—Plans grading, graveling and oiling 5 mi. various streets in southwest section. F. C. Froehde, city engr.

Calif., Pomona—Making plans grading, graveling and oiling streets in southwest section of city. To exceed $25,000. F. C. Froehde, city engr.

Calif., San Anselmo—City Trustees received no bids improving streets in Morning Side Court 2, 9,200 cu.yd. grading excav., 88,740 sq.ft. grading surface, and 5 in. concrete paving, etc. To exceed $25,000. J. J. Jessup, city engr. Noted Feb. 19.

Calif., San Francisco—Plans improving Market St. extension $75,000; Harding Memorial Blvd. through Lincoln Park $50,000; Cortland Ave. between Folsom and San Bruno Aves. $10,000 and completing Marine Blvd. $60,000. M. M. O'Shaughnessy, City Hall, engr.

Calif., San Luis Obispo—San Luis Obispo Co. plans improving San Simeon-Carmel Highway. $175,000-$200,000.

Calif., Santa Rosa—Sonoma Co. made plans constructing 12.66 mi. Monte Rio Highway via Occidental and Freestone to connect with Sebastopol-Freestone Highway, 16 ft., asphaltic macadam with permanent header boards and 2 ft. shoulders on each side, 20,000 cu.yd. crushed rock, etc., Ashley & Clow, San Anselmo, engr.; also 5 mi. Santa Rosa-Guerneville Highway to connect Santa Rosa with Sebastopol-Guerneville Highway, in Rd. Dist. 4, 2 in. Willite on 2 in. asphaltic concrete, $100,000, R. P. Smith, Santa Rosa, engr.

Calif., Venice—Rejected bids improving Leona Blvd. between Washington Blvd. and Grand Canal, 388,000 sq.ft. 7 in. concrete paving, 6,000 lin.ft. heavy curb, 16,000 sq.ft. concrete sidewalks, etc. $125,000 or more. Will readvertise. H. D. Chapman, city engr. Noted Feb. 19.

BIDS DESIRED

Rhode Island — Mar. 25, by State Bd. Pub. Roads, State House, Providence, bituminous macadam (penetration method) paving, etc., Contrs. 2501, 2502 and 2503; adv. E. N.-R. Mar. 12.

N. Y., New York—Mar. 16, by J. Miller, pres. Manhattan Boro., repaving 23rd St., 1st, 3rd and 7th Aves. and widening and repaving 32nd and 41st Sts.

N. Y., New York—Mar. 19, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., granite block paving East 138th St., Kingsbridge Rd. from Fordham Rd. to East 194th St., and Kingsbridge Rd. from Jerome to Sedgwick Aves.; asphalt block repaving Southern Blvd.; sheet asphalt paving Clifford Pl., Eastburn, Grant, Nelson and Shakespeare Aves.

N. Y., St. George—Mar. 16, by J. A. Lynch, pres. Richmond Boro., Boro Hall, granite block repaving Bway. $25,000.

N. Y., St. George — Mar. 19, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading and concrete paving Hylan Blvd.

N. J., Cape May—Apr. 1, by Bd. Chosen Freeholders Cape May Co., sand or gravel shoulders on Meadow Sect. of Sea Isle Blvd., Dennis Twp. R. P. Smith, Marmora, co. engr.; adv. E. N.-R. Mar. 12.

N. J., Deal—Mar. 27, by Ocean Twp., at Oakhurst, concrete surfacing Roseld Ave., here. J. W. Seaman, 192 Bway., Long Branch, engr.; adv. E. N.-R. Mar. 12.

Pennsylvania—Mar. 27, by State Dept. Hys., Harrisburg, constructing 11 projects, 40 mi. in 8 counties. P. D. Wright, secy. highways; adv. E. N.-R. Mar. 12.

Pa., Kingston—Mar. 30, by Boro Council, at Boro Bldg., South College Ave., repairing curb and resurfacing on present brick, etc., various streets. F. C. Wintermute, 404 Second Natl. Bank Bldg., Wilkes-Barre, boro engr.; adv. E. N.-R. Mar. 12.

Pa., Reading — Mar. 18, at office City Clerk, improving Lancaster Ave. and Morgantown Rd. (a) 5,016 sq.yd. plain 6 in. concrete base course, 10,500 sq.yd. 6 in. concrete base course, 10,500 sq.yd. 6 in. concrete base course with submerged curbs, 600 sq.yd. 8 in. rein.-con. base course with submerged curbs (b) constructing base courses as designated above, surfacing with 3 in. sheet asphalt (1½ in. binder, ½ in. wearing surface) (c) 5,016 sq.yd. plain 6 in. concrete base course, 10,500 sq.yd. plain 9 in. one course concrete pavement with submerged curbs, 600 sq.yd. 11 in. reinforced one course concrete pavement with submerged curbs, each of these three alternates are supplemented with various other items, incl. 13,844 cu.yd. excav., 10,051 lin.ft. concrete tangent and circular combination curb and gutter, 48,275 sq.ft. one course concrete sidewalk. E. C. Weber, city engr.

Pa., Williamsport—Mar. 20, by City Council, City Hall, brick, sheet asphalt, rein.-con. or other approved types paving 32,010 sq.yd. West 4th and Washington Sts. L. Mussina, city engr.

Maryland — Mar. 24, by State Roads Comn., 601 Garrett Bldg., Baltimore, concrete paving 8 sections of road in Anne Arundel, Harford, Queen Annes, Caroline, Somerset, Worcester, Wicomico and Frederick Counties. J. N. Mackall, chn.; adv. E. N.-R. Mar. 12.

Md., Hagerstown—Mar. 31, by Bd. Water Commissioners, 118 West Washington St., constructing Potomac River intake, low service pump pit, and suction well, etc. W. P. Lane, pres.; adv. E. N.-R. Mar. 12.

Virginia—Mar. 26, by State Hy. Comn., Capitol Sq., Richmond, improving roads and building bridges in Route 33, Project F-118-A, Roanoke Co.; Route 33, Project 118-B, Roanoke and Franklin Counties; Route 33, Project F-118-C, Franklin Co.; Route 35, Project F-145-D, and Route 35, Project F-145-F, both Sussex Co.; Route 33, Project F-169-A, Botetourt Co.; Route 14, Project F-259-A, Pittsylvania Co.; Route 20, Project S-323-C, Charlotte Co.; Route 31, Project F-347, Stafford Co.; Route 24, Project S-385, Greenville Co.; and Route 17, Project S-391, Rockbridge and Bath Counties. C. S. Mullen, ch. engr.; adv. E. N.-R. Mar. 12.

W. Va., Huntington—Mar. 16, by Bd. City Comrs., grading, surfacing, etc., Washington Blvd. from Saltwell Rd. to Arlington Blvd. and Washington Blvd. from Norway Ave. at Olive St. to Saltwell Rd., Arlington Blvd., Olive St., South Terrace, Avondale Rd. and St. Louis Ave. A. B. Maupin, city engr.

S. C., Kingstreet—Mar. 18, at office Bd. Comrs. Williamsburg Co., grading, sand clay surfacing, etc., 11,238 cu.yd. State Route 411, Federal Aid Project 239. J. M. Martin, Courthouse, Florence, engr.

S. C., Walterboro — Mar. 24, at office Colleton Co. Rd. Comn., grading and sand clay surfacing 11.7 mi. State Route 64, State Project S-574, and 18 mi. State Routes 321 and 32, State Project S-532. A. T. Brown, Scovill Bldg., Orangeburg, engr.

Miss., Hattiesburg—Mar. 17, by Comrs. Paving Dist. 1, Forest Co., rein.-con., brick, warrenite, bitulithic, sheet asphalt or Texas asphaltic surfacing 137,425 sq.yd. Paving Dist. 1, $250,000. J. L. Wheless, 610 Adaline St., ch. engr.

Miss., Louisville—Mar. 24, by A. A. McNeel, city clk., grading, brick or asphalt on stone or plain concrete surfacing, etc., 15,000 sq.yd. various streets. P. A. Livingston, Louisville, engr. Noted Dec. 18.

O., Akron—Mar. 30, by W. F. Peters, dir. Pub. Serv., grading, curbing and vitr. brick paving 4,035 sq.yd. Avon St. $25,000, 1,720 sq.yd. South Walnut St. $13,500; grading, curbing, laying sidewalks and vitr. brick paving 990 sq.yd. Fairfield Ave. $9,500, 1,500 sq.yd. Robinette and Luedella Courts $11,500, 575 sq.yd. Courtney Pl., et al. $6,600, and 11,525 sq.yd. North Cass Ave. $80,000; grading and sheet asphalt resurfacing 5,000 sq.yd. Bowery St. $41,000; grading and laying 6,100 sq.yd. 4 in. concrete sidewalks on Hudson Ave. $5,500, 13,500 sq.ft. Julien Ave. $6,400; grading concrete gutters, walks and cindering 630 cu.yd. Sherman and Baird Sts. $7,500, and 200 cu.yd. Bina Ave. $2,500; grading, laying sidewalks and cindering 680 cu.yd. Alexander St. $8,500; grading, curbing, laying sidewalks, resurfacing and sheet asphalt paving 860 sq.yd. North Cass Ave. $6,500; grading, paving, repaving and resurfacing Wooster Ave., 320 sq.yd. vitr. brick and 2,400 sq.yd. sheet asphalt, $10,000. E. A. Kemmler, 300 Delaware Bldg., engr. Noted Sept. 25, Jan. 8 and Mar. 5.

O., Columbus—Mar. 17, by W. H. Duffy, dir. Pub. Serv., grading, laying water services, sewers and paving, 600 ft. Pearl St., 12 and 20 ft., brick $4,714, asphalt $4,170; 957 ft. Hamilton Ave., 23 and 30 ft., asphalt $11,261; 6,594 ft. 17th Ave., 30 ft., brick $88,120, asphalt $71,400; 878 ft. Ann St., 24 ft., brick $13,845, asphalt $10,672; 2,181 ft. Cleveland Ave., 46 ft., brick $41,599, asphalt $33,109; 3,000 ft. Northwest Blvd. 100 ft., asphaltic concrete $91,257, and 726 ft. 2nd alley west of 4th St., 20 ft., brick $5,528, concrete $4,398; also 1,580 ft. sanitary sewer in Frebis Ave., $3,253.

O., Dayton—Mar. 19, by Comrs. Montgomery Co., macadam, concrete, brick or asphalt paving about 25,000 sq.yd. Pershing Dr., Pomeroy, Huron, Fleetfoot, Kolping, Hanna, South Elsemere and Naverth Aves. $100,000. W. O. Pease, Dayton, co. surv.

Indiana—Mar. 14, by C. Gray, engr. State Hy. Dept., Indianapolis, concrete paving 45,427 sq.yd. Anderson-Marion Rd. and 150,240 sq.yd. Pendleton Pike, Pendleton Pike, Madison Co.; 70,438 sq.yd. Anderson-Muncie Rd., Delaware Co.; 96,094 sq.yd., Louisville Rd., Jackson Co.; 63,546 sq.yd. Pendleton Pike, Hancock Co.; 101,733 sq.yd. Elkhart-Middlebury Rd., Elkhart Co.; 52,648 sq.yd. Anderson-Marion Rd., Grant Co.; 110,123 sq.yd. Connersville-Cambridge City Rd., Fayette Co.; 60,164 sq.yd. Anderson-Munice Rd., Madison and Delaware Counties; 74,082 sq.yd. Anderson-Marion Rd. Madison and Grant Counties.

Ind., Crown Point—Mar. 16, by C. K. Wallace, engr., Crown Point, grading and graveling 12.5 mi. Dedelow Rd. $130,700, 13.2 mi. Aubry Rd. $143,000, and 12.2 mi. Chapman Rd. $131,000, all 24 ft., for Lake Co. Noted Mar. 5.

Ind., Elkhart — Mar. 16, by Bd. Wks., asphalt paving 14,884 sq.yd. Vine St., $38,700; and 10,692 sq.yd. Bower Rd., $27,800. H. J. Weaver, city engr. Noted Mar. 5.

Ill., La Grange—Mar. 16, by J. A. Alten, city secy., City Hall, grading curbing and concrete surfacing 14,000 sq.yd. various streets.

Ia., Indianola—Mar. 23, by City, about 36,000 sq.yd. surfacing and 27,000 sq.yd. resurfacing various streets. $140,000. E. M. Wilson, city clk.; adv. E. N.-R. Mar. 12.

Wisconsin—Mar. 18, by State Hy. Comn., at Office 2, 208 Stephenson Bldg., Milwaukee, improving Fond du Lac-Oshkosh Rd., Federal Aid Project 364, Fond du Lac Co., 5,211 cu.yd. earth and 2,797 cu.yd. borrow excav., 21,355 sq.yd. concrete surfacing, 8,500 sq.yd. widening 9 to 20 ft., 16,760 lbs. reinforcing in pavement, 9,000 bbls. cement in place, etc. J. T. Donaghey, state highway engr.

Wis., Columbus — Mar. 19, by W. H. Pietzner, city clk., 13,088 sq.yd. various types paving, 30,480 lin.ft. combined concrete curb and gutter on various streets. W. F. Reichardt, North Main St., Watertown, engr. Noted Dec. 11.

Wis., Hudson—Mar. 16, by G. H. Tappins, pres. Bd. Pub. Wks., rein.-con., vibrolithic concrete, asphaltic concrete or vitr. brick paving approximately 9,855 sq.yd. Vine and Locust Sts. $27,000. L. P. Wolff, 903 Globe Bldg., St. Paul, Minn., engr.

Wis., Menasha — Mar. 17, by J. F. De Caro, city clk., curbing, guttering and rein.-con. paving approximately 10,556 sq.yd. Tayco and Elm Sts. A. E. McMahon, City Hall, engr. Former bids rejected. Noted Mar. 5.

Wis., Milwaukee — Mar. 17, by Central Bd. Purchases, D. W. Hoan, chn., 2,500 tons 6, 8 and 12 in. Class "C" c.i. pipe also two 54 in. gate valves, f.o.b. Milwaukee at Center St. team track of the Chicago, Milwaukee & St. Paul R.R., to Water Dept.

Wis., Waupun — Mar. 23, by Bd. Pub. Wks., improving various streets, 16,640 sq. yd. vibrolithic concrete, asphaltic concrete or Warrenite-bitulithic concrete, 11,130 ft. concrete curb and gutter, 5,760 cu.yd. excav. E. B. Parsons, Jefferson, engr. Noted Feb. 26.

Minn., Duluth—June 1, by W. H. Tischer, city comr., 30,500 sq.yd. grading and concrete paving one side of Grand Ave. S. $106,986. J. Wilson, city engr.

Minn., St. Paul—Mar. 17, by H. W. Austin, city purch. agt., improving Beech St., 803 sq.yd. brick on 5 in. concrete and 7,688 sq.yd. asphalt concrete, asphaltic concrete paving; asphaltic concrete paving 9,138 sq. yd. Carroll St.; sheet asphalt paving 7,340 sq.yd. Cromwell and Bayless Aves.; and asphaltic concrete paving 3,875 sq.yd. Montrose Pl. G. M. Shepard, city engr.

Kan., Clarksburg—Mar. 23, by C. N. Parrish, clk. Harrison Co., Court St., grading 1.25 mi. Meadow Brook-Bridgeport Rd., 1.24 mi. Peoria-Wyatt Rd., 1.75 mi. Mt. Clair-Lost Creek Rd., 2.5 mi. Coplin Church-Tenmile-Jarvisville Rd., 2 mi. Buckhannon Pike from Turkey Run to Quiet Dell, 1.5 mi. Saltwell-Shinns Rd., and 1.25 mi. Arthur Rhodes-Kinchloe Creek Rd.; bituminous macadam hard-surfacing 3,600 ft. and concrete surfacing 3.75 mi. Laura Lee-Sardis Dist.-Dola Rd.; grading and concrete surfacing 0.25 mi. Green and Murray Sts., Union Heights 1.

S. D., Sioux Falls—Mar. 23, by City, concrete bituminous concrete, sheet asphalt or vibrolithic concrete paving about 19,199 sq. yd. 4th St., Cliff, Walts and Fairfax Aves. $75,000. W. C. Leyse, city aud.

Mo., Sedalia—Apr. 6, by N. L. Nelson, city clk., City Hall, grading, curbing and concrete paving 3,100 sq.yd. Vermont St., 5,100 sq.yd. Wilkerson St., 3,500 sq.yd. 6th St., and 4,500 sq.yd. 7th St. C. O. Manker, City Hall, engr.

Ark., Pine Bluff — Mar. 20, by Comrs. Paving Dist. 72, J. S. Purnell, chn., grading and 6 in. rein.-con. or vibrolithic surfacing 1,480 ft. Annex 1, incl. 1,480 ft. curb and gutter and 820 ft. 12 in. storm

Streets and Roads (Continued)

sewers, etc.; and 5,912 sq.yd. Annex 2, 3,662 ft. curb and gutter, 408 ft. 12 and 27 in. storm sewers, etc. Guest Eng. Co., 329½ West Main St., engrs. Noted Feb. 19.

Tex., El Paso—Mar. 24, by E. B. McClintock, judge El Paso Co., grading, surfacing with extensions to pavement, concrete and block base with 1 or 1½ in. bituminous topping, 15.62 mi. State Highway 1, Federal Aid Project 439-E, 17 and 30 ft. $403,740 incl. 10% for engineering and contingencies. F. E. Wilson, El Paso, co. engr. Noted Feb. 26.

Tex., Munday—Taking bids 3 in. brick or 7 in. concrete paving 6 blocks various streets. $25,000. Montgomery & Ward, City Natl. Bank Bldg., Wichita Falls, engrs. Noted Jan. 29.

Tex., Post City—R. N. Smith, city secy., taking bids paving 30,000 sq.yd. various streets. $50,000 bonds voted. Elrod Eng. Co., 3124 Main St., Dallas, engrs. Noted Jan. 22.

Tex., Sinton—Mar. 27, by F. M. Percival, engr., Rockport, shell surfacing 6.38 mi. State Highway 67, 16 ft., for San Patricio Co. $40,000. Noted Mar. 5.

Okla., Cordell—Mar. 20, by O. Brown, city clk., grading and concrete surfacing 10,200 sq.yd. Main St. $35,247. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 19.

Okla., Pauls Valley—Mar. 16, by J. F. Pratt, city clk., grading and graveling 14,500 sq.yd. Pecan & Cherry Sts. $27,493. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Mar. 5.

Washington — Mar. 17, by State Hy. Comn., Olympia, concrete paving, incl. rein.-con. slab bridge on 2.1 mi. State Rd. 1, (Pacific Highway) from Centralia to Chehalis, Lewis Co. J. Allen, Olympia, engr.

Washington—Mar. 31, by State Hy. Dept., Olympia, concrete paving 3 mi. Pacific Highway from Allen to Burlington, Skagit Co. and 6.9 mi. from Bellingham to Ferndale, Whatcom Co.; grading and surfacing 3 mi. Natl. Park Highway from Mill Creek to Mayfield, Lewis Co.; paving 1.7 mi. Natl. Park Highway from Taxwax to Ohop Hills, Pierce Co.; widening present pavement by paving 9 ft. Pacific Highway between Ponders, Mountain Rd. Cut-off and Dupont at Camp Lewis, Pierce Co.

California—Mar. 23, by State Hy. Comn., Sacramento, widening with concrete shoulders road from point 2 mi. north of Fresno to Herndon, Fresno Co., 25 cu.yd. structure excav., 3,340 cu.yd. concrete paving, 45 cu.yd. concrete in structure, 3,800 lbs. reinforcing, 50 cu.yd. remove concrete. R. M. Morton, Sacramento, highway engr.

Calif., Sacramento—Mar. 23, by Supervs. Sacramento Co., approximately 3,000 cu.yd. concrete paving road along Sacramento River from Grand Island Bridge to Vorden. $40,000. C. W. Deterding, Jr., Sacramento, co. engr.

Ontario—Mar. 23, by Dept. Pub. Wks. & Highways, Toronto, concrete or asphaltic concrete paving 7.62 mi. road from Bowmanville to east side Lot 17, Contr. 11, Clarke Twp.; asphalt paving 4.8 mi. road from Trenton easterly, $150,000; concrete, bituminous penetration or asphaltic concrete paving 3.92 mi. road from Prescott westerly, $125,000; macadamizing 3.53 mi. road from Bloomfield northerly $40,000 and 4.48 mi. road from Moulinette westerly, $50,000; bituminous penetration or asphaltic concrete paving 4.08 mi. road from Prescott to point north of Johnstown, $50,000. C. H. Nelson, Ottawa, ch. engr.

Ont., Williamstown—Mar. 18, by W. T. Bailey, twp. clk., paving 1,800 yd. Johnstone Rd. and 1,200 yd. Rae and Paragon Rds.

BIDS RECEIVED

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, Mar. 4, from Uvalde Asphalt Paving Co., 1 Bway., New York City, asphalt paving Barbey St. $3,383, Newport St. $4,315, Stone Ave. $9,893, from Cranford Co., 52-9th St., Bay 10th St. $7,270, Gatling Pl. $6,822, 65th St. $16,109, 73rd St. $10,364, 76th St. $7,338, from Cleveland Trinidad Paving Co., Flushing, Dumont Ave. $3,507, from Brooklyn Alcatraz Co., 407 Hamilton Ave., East 10th St. $4,522, East 35th St. $3,851, New York Ave. $10,834, West 37th St. $9,900, 10th Ave. $12,162; from Carberry & Block Corp., 45 South 9th St., grading curbing and flagging, Bedford Ave. $1,558, East 35th St. $1,398, 62nd St. $3,989, from Grimm Contg. Co., 170 McKinley St., East 9th St. $1,644, from W. J. McHale Contg. Co., 1250 Jefferson Ave., East 10th St. $199, from Harrison & Bernhardt Co., Central Ave., Brooklyn Ave. $3,855. Noted Feb. 26.

N. Y., New York—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., Mar. 5, granite block repaving Park Ave. from Leonard Paving Co., 233 Bway., $134,942; granite block repaving East Tremont Ave., and grading, curbing and sidewalks on Grand Ave., from Asphalt Constr. Co., 208 Bway., $384,995 and $81,841 respectively; grading, curbing, sidewalks, etc., on Davidson Ave., from Interboro Asphalt Co., 2306 Creston Ave., $71,715. Noted Feb. 26.

N. Y., Peekskill—Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, Feb. 16, grading and improving State Parkway from Annsville Creek opposite State Camp Dock to Albany Post Rd., here, from J. H. Gordon, 91 North Pearl St., Albany, Alternate A $83,644, Alternate B $83,740. Noted Jan. 22.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Mar. 3, bituminous concrete repaving Johnson Ave., from J. E. Donovan, 2205 Richmond Terrace, Port Richmond, $29,158. Noted Feb. 26.

New Jersey—State Hy. Dept. Trenton, concrete paving 28,600 sq.yd. Route 2, Sect. 4A, Burlington cut-off, Burlington Co., from Freeholder Constr. Co., Freehold, $93,344, engrs. est. $93,334; 24,856 sq.yd. Route 4, Sect. 28, Waretown-Barnegat Rd., Ocean Co., from Union Paving Co., 30th and Locust Sts., Phila., Pa., $117,962; 44,127 sq. yd. Route 4, Sect. 27, Cedar Creek-Forked River Rd., Ocean Co., from M. Staub, Pitman, $187,020. Noted Feb. 12.

N. J., Freehold—Bd. Freeholders Monmouth Co., reconstructing 31,081 sq.yd. Matawan-Freneau Rd., Matawan Twp., concrete, from S. S. Thompson, Red Bank, $106,232. Noted Feb. 19.

Pa., Ebensburg — Comrs. Cambria Co., Mar. 3, one course rein.-con. surfacing 11,468 lin.ft. Beaverdale-Lovett Rd., 16 ft., from Vipond, Strite & Moore, Hollidaysburg, $108,110.

Md., Towson — Comrs. Baltimore Co., Courthouse, concrete paving 1 mi. Middletown Rd. and 1 mi. Gaystone Rd., from H. D. Campbells Sons Co., Towson, $56,197. Noted Feb. 26.

O., Cleveland—City improving Summit Rd., 3,300 lin.ft. each stone curbing and 4 in. drain tile gutter, 7,000 cu.yd. earth excav., 6,530 sq.yd. (a) vitr. brick or (b) concrete paving, from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, (a) $43,353; from Ohio Contg. Co., Hunkin-Conkey Bldg., Cleveland, (b) $35,486. Engrs. est. $50,645.

O., Cleveland—City, paving with (a) asphalt (b) brick (1) East 138th St. (2) East 157th St. (3) East 139th St. (4) Solka Ave. (5) East 105th St. (1 to 5 inclusive), involves 28,050 sq.yd. vitr. brick or sheet asphalt, 14,170 lin.ft. stone curbing, 15,650 lin.ft. 4 in. drain tile gutter, 19,800 cu.yd. earth excav. (6) West 134th St. (7) East 116th St. (8) Champion Ave. (9) Farringdon Ave., (7 to 9 inclusive) involves 10,838 sq.yd. vitr. brick or sheet asphalt, 12,750 lin.ft. stone curbing, 13,420 lin.ft. 4 in. drain tile gutter, 13,780 cu.yd. rock excav. (10) West 137th St. (11) Alabama Court (12) Adelaide Ave. (13) Fidelity Ave. (10 to 13 inclusive) involves 6,925 sq.yd. vitr. brick or sheet asphalt, 4,320 lin.ft. stone curbing, 4,720 lin.ft. 4 in. drain tile gutter, 4,300 cu.yd. earth excav., from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, (a1) $15,718 (b1) $19,468 (a3) $15,718 (b3) $19,569 (b4) $40,063 (b9) $56,115; from Gould & Maybach, 16311 Saranec Rd. (2) $6,884; from H. G. Herring, c/o Pavers Exch., (a4) $35,744 (a7) $16,865; from Cleveland Trinidad Paving Co., The Arcade, (5) $33,483 (8) $3,077 (a9) $46,100 (12) $3,105 (13) $3,168; from Roehl Bros., 7002 Dennison Ave. (a6) $41,132 (b6) $50,082 (a10) $23,881 (b10) $29,081; from Bentley Bros., 3030 Euclid Ave. (11) $3,710.

O., Cleveland—Cuyahoga Co., improving Edgerton Rd., 22,900 sq.yd. waterbound macadam, 229,000 lin.ft. stone curbing, 22,900 lin.ft. 4 in. drain tile guttering, and 1,400 cu.yd. earth excav., from Hannon Constr. Co., Warren, $84,856. Noted Jan. 22.

Michigan — State Hy. Dept. at office Comrs. Kent Co., Grand Rapids, surfacing 0.964 mi. Alaska Rd., from Davey Paving Co., Batavia, with cement $29,132; from F. Collins, Grand Rapids, without cement $22,285.

Ill., Urbana — Comrs. Champaign Co., Feb. 24, furnishing 2½ m.g. road oil, from J. A. Bateman, Champaign, at $0.0587 per gal.; spreading same on various streets, from Gilmore & Harschbarger, Atwood, at $.095 per gal. Noted Jan. 29.

Wis., Kenosha—C. M. Osborn, city mgr., Feb. 26, improving various streets, 115,000 sq.yd. (a) rein.-con. (b) asphaltic concrete or (c) sheet asphalt paving from White Constr. Co., 68 Wisconsin St., Milwaukee (a) at $2.40 per sq.yd. 58,000 cu.yd. grading $0.35, 75,000 ft. concrete curb and gutter $0.70; from J. Rasmussen & Sons Co., foot of 7th St., Oshkosh (b) $2.22 and (c) $2.43 per sq.yd. Noted Jan. 29.

Kan., Nortonville—Grading and surfacing 14,382 sq.yd. various streets, from Amer. Paving Corp., 1325 Grace St., Omaha, Neb., concrete $43,846; from Kaw Paving Co., N. E. Bldg., Topeka, asphalt $47,121. Noted Feb. 19.

Minn., Faribault—For 80 tons 6 in. and 10 tons 8 in. c.i. pipe, 12 ft. lengths, to Water Dept., from Lynchburg Fdry. Co., Peoples Natl. Bank Bldg., Lynchburg, Va., $50 per ton.

Missouri—State Hy. Dept., Jefferson City, Feb. 28, from M. E. Gilliloz, Monett, grading and 18 ft. concrete surfacing 3.898 mi. St. Louis-Springfield Rd. $62,865, grading 13.548 mi. St. Louis-Springfield Rd. $23,305, both Webster Co.; A. A. Davis & Co., Gr. Exch. Bldg., Oklahoma City, Okla., grading and 18 ft. concrete surfacing 4.869 mi. Kansas City-St. Louis Rd. $68,400, 4.216 mi. Kansas City-St. Louis Rd. $63,794, 18 ft. concrete surfacing 9.659 mi. Kansas City-St. Louis Rd. $127,402, all Johnson Co.; from Western Asphalt Paving Co., 1st and Nebraska Sts., Sioux City, Ia., grading 4.685 mi. St. Louis-Springfield Rd., Franklin Co. $13,904, 18 ft. concrete surfacing 9.737 mi. St. Louis-Springfield Rd. $128,525, both Webster Co.; from Dexter Constr. Co., Dexter, 18 ft. gravel surfacing 4.634 mi. Harrisonville-Pleasant Hill Rd., Cass Co. $34,101, 12 ft. gravel surfacing 2.397 mi. road from Wilhelmina east, Dunklin Co. $15,120; from Robertson-Carmeau Constr. Co., Carruthersville, 18 ft. concrete surfacing 5.595 mi. St. Louis-Springfield Rd., Webster Co. $76,819, from C. H. Atkinson Paving Co., Watertown, S. D., 7.82 mi. St. Joseph-Hannibal Rd., Marion Co. $82,955, from Harrison Eng. & Constr. Co., Kansas City, 9.393 mi. St. Louis-Springfield Rd., Crawford and Franklin Counties, $174,579, from Billets & Oliver Bros., Cincinnati, O., 4.868 mi. Kansas City-St. Louis Rd., Johnson Co. $58,094, from Capitol Constr. Co., 1207 Cherry St., Des Moines, Ia., 3.746 mi. St. Louis-Springfield Rd., Webster Co., $51,828; from Kelly & Underwood, Granby, 18 ft. gravel surfacing 4.315 mi. Harrisonville-Pleasant Hill Rd., Cass Co., $33,693, from H. A. Worman, Perryville, 3.939 mi. road from Mexico east, Audrain Co. $34,587; from Easley Bros., Aurora, 16 ft. gravel surfacing Fairplay-Bolivar Rd., Polk Co., $10,201, from Richmond Constr. Co., Advance, 2.178 mi. road from Malden west, Dunklin Co. $18,886; from Keokuk Quarry & Constr. Co., Keokuk, Ia., grading 7.828 mi. St. Joseph-Hannibal Rd., Shelby Co. $32,090; from D. C. Horton, Ft. Smith, Ark., 5.53 mi. St. Louis-Springfield Rd., Webster Co. $23,383, from G. A. Nichols, Oklahoma City, Okla., 3.205 mi. Kansas City-St. Louis Rd., Johnson Co. $44,231, from Lamereaux Bros. Co., Omaha, Neb., 7.295 mi. Sheridan-Grant City Rd., Worth Co. $60,372; from Gray Constr. Co., Mt. Vernon, Ill., 3.894 mi. road from Macon east and west, Macon Co. $19,719, 4.708 mi. St. Louis-Springfield Rd., Crawford Co. $5,855, from W. R. Larson Constr. Co., Sioux Falls, S. D., 4.659 mi. Kansas City-St. Louis Rd., Johnson Co. $34,541; from A. L. Paterson, Kansas City, 4.868 mi. Kansas City-St. Louis Rd., Johnson Co. $4,566, from Davis Constr. Co., Boonville, 5 mi. Kansas City-St. Louis Rd., Johnson Co., $4,895; from Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., 0.265 mi. Sheridan-Grant City Rd., Worth Co. $5,547; from C. T. Fogel Constr. Co., Jefferson City, 0.35 mi. St. Joseph-Hannibal Rd., Shelby Co. $7,817. Noted Feb. 19.

Mo., Carrollton—Improving West Heidel, East Shanklin, East Lincoln and South Jefferson Sts., from C. F. Brindle, Kansas City, Kan., 1,200 cu.yd. excav. $0.50 per cu.yd., 7,500 ft. curbing $0.50, 11,000 sq.yd. concrete paving $2.45.

Tex., Houston—Harris Co., grading, concrete paving and bridging 6.53 mi. State Highway 6, Federal Aid Project 466 A and D, 20 and 30 ft., from Texas Willite Rd. Constr. Co., 102 Standard Bldg., $177,995. Engrs. est. $275,021. Noted Feb. 5.

Tex., Pearsall—R. E. Killmer, engr. Frio Co., Feb. 25, grading, gravel surfacing and bridging 14.86 mi. State Highway 85, Federal Aid Project 542, 16 ft., from Kelley & Lehr, 503 Barrett Pl., San Antonio, $133,973. Engrs. est. $170,000. Noted Feb. 5.

Wash., Seattle—Bd. Pub. Wks., from McHugh & Coluccio, 517 3rd St. N., improving Whitman Ave. et al., 1,400 lin.ft. a.c. integral curb $0.55 per lin.ft., 6,115 lin.ft. concrete integral curb $0.55, 12,425 sq.yd. 6 in. asphalt $1.67, etc., total CIP $37,498, De Lavaud $37,508, engrs. est. $41,732;

Streets and Roads (Continued)

from R. G. Stevenson, 1327 North 34th St., East 55th St. et al., 810 lin.ft. a.c. integral curb $0.65, 5,250 lin.ft. concrete curb $0.30, 2,600 cu.yd. subgrading $0.60, 9,590 sq.yd. 6 in. concrete $1.60, total $32,118, engrs. est. $35,688.

California — State Hy. Comn., Sacramento, Mar. 2, widening 8.3 mi. highway between Woodland Wye and Woodland, and 4.5 mi. highway between Putah Creek and Davis, Yolo Co., from Kaiser Paving Co., Amer. Bank Bldg., Oakland, $135,904. Noted Feb. 19.

Calif., Glendale—From C. L. Hill, 516 South Glendale Ave., improving Cypress Court, Mariposa and Boynton Sts., 21,630 sq.ft. grading at $0.01 per sq.ft., 12,900 sq. ft. regrading and reoiling $0.04, 21,630 sq. ft. 3 in. macadam paving $0.09, water system total $250, sewers, ornamental lighting system total $4,000; from H. Cornwall, South Glendale Ave., improving Ruberta Ave., 61,714 sq.ft. grading at $0.04 per sq. ft., 31,318 sq.ft. 3 in. macadam paving $0.875, etc.

Calif., Pomona—Paving 5 blocks Garey Ave., from H. Comwell, 120 South Glendale Ave., Glendale, $37,500. Engrs. est. $38,280. Noted Dec. 4.

CONTRACTS AWARDED

Mass., Boston—City, bituminous repairing on any street not under guarantee when ordered by Commissioner from Mar. 1 to Dec. 31, to Central Constr. Co., 228 Southampton St., Roxbury, $102,450. Noted Mar. 5.

Pennsylvania—State Hy. Dept., Harrisburg, rein.-con. surfacing 7 in. edges and 5 in. center, 34,390 sq.yd. Route 10, Application 1067 and 976, Susquehanna Co., to Lane Constr. Co., Meriden, Conn., $3.22 per sq.yd., total $169,962; grading, etc., 18,843 ft. Route 10, Application 3236, McKean Co., to D. L. Dennis, Smethport, $82,851.

Md., Towson—Comrs. Baltimore Co., concrete paving 1 mi. Middletown Rd. and 1 mi. Gaystone Rd., to H. D. Campbell & Sons Co., Towson, $56,197. Noted Feb. 26.

S. C., Greenville — Greenville Co., 8 in. concrete paving and grading, etc., 4.8 mi. Laurens Rd., 18 ft., to Nichols Constr. Co., Atlanta, Ga., $135,302.

Fla., Bartow — Polk Co., sheet asphalt paving on Florida limerock base Rd. 1, to West Constr. Co., Bartow, $311,850, Rds. 2 to 5 (inclusive) to McDonald Constr. Co., Lakeland, $244,036; Rds., 6 to 8 (inclusive) to Stidham & Hughes Constr. Co., Bartow, $152,451, all in Special Road and Bridge Dist. 11. Noted Feb. 12.

Alabama—State Hy. Dept., **Montgomery, (e. e. means engrs. est.)** crushed stone and gravel surfacing 15.55 mi. Moulton-Courtland Highway, 18 ft., Lawrence Co., to J. Gwin, Empire Bldg., Birmingham, $145,-735, e. e. $150,000; sand clay surfacing 10 mi. Georgiana-McKenzie-Conecuh Co. line Rd., 18 ft., Butler Co., to M. M. Bentley, Marion, $104,049, e. e. $105,000; gravel surfacing 18.86 mi. Fayette-New Lexington Rd., 18 ft., Tuscaloosa Co., to Nixon & Phillips, Lineville, $287,036, e. e. $288,000; bituminous macadam surfacing 2.58 mi. Huntsville-Guntersville Rd., 18 ft., Madison Co., to W. H. Pattie, 1566 North 23rd St., Birmingham, $99,177, e. e. $100,000. Noted Jan. 29.

Ohio—Dept. Highways & Pub. Wks., Columbus, to R. Stone Co., 433 Amer. Bank Bldg., grading, bridging and paving 1.87 mi. Sect. "E-1" Lima-Spencerville Rd., Allen Co., bituminous macadam, tar $38,221, 5.979 mi. Sect. "F" Columbus-Cincinnati Rd., Madison Co., tar macadam $118,280, 4.166 mi. Sect. "I" Columbus-Cincinnati Rd., Warren Co. surface treated waterbound macadam $92,422; to R. L. Harris, Hicksville, 2.585 mi. Sect. "I" Lima-Ottawa Rd., Allen Co., Kentucky rock asphalt, $64,875; to G. A. Gialdini, 15 East Front St., Youngstown, 4.839 mi. Sect. "A" Harrisburg-Westville Rd., Columbia and Mahoning Counties, waterbound macadam, $95,795; to Lewis & Copeland, Lima, 2.077 mi. Sect. "A-2" Lancaster-Logan Rd., Fairfield Co., brick, incl. brick, $85,193. Noted Mar. 5.

Ohio—Dept. Highways & Pub. Wks., Columbus, to Andrews Asphalt Paving Co., Hamilton, grading, bridging and paving Cincinnati-Dayton Rd., Butler Co., 3.636 mi. Sect. "V" sheet asphalt $136,920, 0.329 mi. Sect. "Monroe" $10,844, 3.666 mi. Sect. "W-1" $133,108; to Dorsey Constr. Co., Findlay, 4.544 mi. Sect. "A" Cleveland-West Richfield Rd., Cuyahoga Co., rein.-con., brick, $261,660; to W. C. Brown, Chillicothe, 0.262 mi. Sect. "Harrisburg" Columbus-Washington C. H. Rd., Franklin Co., brick, $13,692; to F. M. Schreckengast, Newark, 0.04 mi. Sect. "L-Bridge" Mt. Vernon-Coshocton Rd., Knox Co., concrete and waterbound gravel, $19,672; to Modern Constr. Co., Fremont, 1.301 mi. Sect. "G" Bono-Port Clinton Rd., Ottawa Co., rein.-con., $41,707; to S. Monroe Co., Portsmouth, Sect. "U-2" Ohio River Rd., Scioto Co., brick $142,143; to Johnson Eng. Co., Napoleon, Buckrus-Upper Sandusky Rd., Wyandot Co., 4.034 mi. Sect. "A-1" brick $142,618, 1.003 mi. Sect. "A-2" $32,629, Sect. "I-2" $50,771. Noted Mar. 5.

O., Cleveland—Asphaltic concrete paving Chardon Rd., to F. B. Stein, Euclid, $111,748. Engrs. est. $142,500. Noted Feb. 26.

O., Massillon—See "Buildings—Industrial."

O., Shaker Heights (Cleveland P. O.) — City, bituminous concrete paving 10 streets, to Rieley Bros., The Arcade, Cleveland, $300,000.

Ill., Galesburg — Grading and vitr. brick surfacing, etc., 3,940 sq.yd., East Berrien St., to Graham-King Constr. Co., 550 South Cedar St., $15,990, engrs. est. $17,145, 6,496 sq.yd., East Knox St., to H. H. Gunther, 600 East Main St., $2,792, engrs. est. $27,-533. Noted Feb. 26.

Ill., Lewiston—Concrete surfacing, etc., 4,650 sq.yd. West Euclid Ave., to Sutton & Moore, Lewiston, $17,000. Noted Feb. 19.

Minn., Duluth—W. H. Tischer, city comr., concrete on prepared roadbed of crushed rock on macadam paving, etc., 55,920 sq.yd. Congdon Blvd., to Thornton Bros., c/o City Engineers Office, City Hall, $142,652. Noted Feb. 19.

Minn., Osakis—City, improving various streets, 10,300 sq.yd. paving, 3,248 lin.ft. concrete curbing, 1,080 lin.ft., storm sewer and 1,500 lin.ft. water connections, to Ostrand & Hallet, Crosby, $2.66 per sq.yd. for paving. Noted Feb. 19.

Kan., Kansas City—Wyandotte Co., concrete surfacing Southwest Blvd., with 5 ft. dirt shoulders, to Kaw Constr. Co., Kansas City, $61,096.

Neb., Falls City — Concrete pumphouse, 750 and 500 g.p.m. centrifugal pumps, concrete intake on Nemah River, filtration plant and Keystone filter equipment, etc., to C. Robeck Co., 408 Securities Bldg., Omaha, $36,575. Noted Feb. 12.

Neb., Omaha—Paving 93,000 yd. Lincoln, Bellvue and Turner Blvds., to J. Sherlock, 1805 Dodge St., at $0.218 per yd.

Neb., Tilden—City Clerk, grading, curbing and Johnsonite concrete paving 15,505 sq.yd. various streets, to Booth & Olson, Inc., 120 Virginia St., Sioux City, Ia., $43,-776. Noted Dec. 11.

Neb., Weeping Water—Grading, curbing, guttering and 6 in. rein.-con. paving 12,200 sq.yd. various streets, to Yant Constr. Co., Omaha Natl. Bank Bldg., Omaha, at $1.98 per sq.yd. Engrs. est. $35,000.

Mo., Chillicothe — To Harrison Constr. Co., 413 Kraft Bldg., Des Moines, Ia., improving Walnut, Normal and Spring Hill Sts., tarvia paving $2.38 per sq.yd., curbing $0.80, excav. $0.50, Jackson St. from Cherry to Dickens Sts., concrete paving $2.47, excav. $0.50, Jackson St. from Washington to Cherry Sts., paving $2.82, excav. $0.50, Bway. paving $2.77, curbing $0.55, excav. $0.50; to Cook-O'Brien Constr. Co., Kansas City, Vine St. brick on macadam paving $2.49, excav. $0.31, Ann St. paving $3.60, curb $0.60, and excav. $0.50.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Webb-Boone Paving Co., 5927 Fyler Ave., asphalt paving 3,400 sq.yd. Devonshire Ave. $16,555, concrete curbing and asphaltic concrete paving 1,100 sq.yd. Dewey Ave. $9,005, granite curbing and asphalt paving 1,775 sq.yd. Margaretta Ave. $10,912; to Trinidad Asphalt Mfg. Co., Title Guaranty and Trust Bldg., granite curbing and asphalt paving 9,365 sq.yd. Eichelberger St. $60,621, asphalt paving 9,780 sq. yd. Goodfellow Ave. $58,681; to Central Paving & Constr. Co., 6161 Maple St., Willite paving 10,205 sq.yd. Lafayette Ave. $54,684; to Granite Bituminous Paving Co., Railway Exch. Bldg., Warrenite bitulithic paving 2,320 sq.yd. Famous Ave. $16,122, 1,290 sq.yd. Thekla Ave. $9,783; to F. C. Stolle Contg. Co., St. Louis, granite paving 1,920 sq.yd. 11th St. $17,125, brick on concrete paving 1,950 sq.yd. Scott Ave. $19,-661; to F. A. Grant, St. Louis, grading 2,365 cu.yd. Nashville Ave. $1,503. Noted Feb. 5.

Mo., St. Louis—Federer Realty Co. & D. A. Livingston, 3612 Kingshighway S. W., improving Holly Hills subdivision, 37,500 ft. concrete curbing, 75,000 sq.ft. concrete and 319,000 sq.ft. asphaltic concrete on concrete paving, to Central Paving & Constr. Co., 6161 Maple Ave., $145,200; also 169,000 sq.ft. concrete paving sidewalks, to Riley Contg. Co., Buder Bldg., $35,490.

Mo., St. Louis — Keck Surveying Co., engrs., 721½ Chestnut St., 23,000 sq.yd. 8 in. concrete paving, 6,000 ft. metal and 760 ft. asphalt expansion joints, etc. in Russell Park, to O'Rielly & Smith Constr. Co., Vivtoria Bldg., for Security Garantor Realty Co., International Life Bldg. Cost plus percentage basis. Noted Feb. 19.

Mo., St. Louis — Keck Surveying Co., engrs., 721½ Chestnut St., improving Winnebago St., 2,018 cu.yd. grading, 2,455 sq.yd. 7 in. rein.-con. paving, 1,185 lin.ft. granite curbing to Skrainka Constr. Co., Security Bldg., for J. Weisert, St. Louis. Noted Feb. 19.

Arkansas—State Hy. Dept., Little Rock, grading and 5 in. concrete surfacing 53,000 sq.yd. Little Rock-Spring Lake Highway, to M. D. L. Cook, Southern Trust Bldg., Little Rock, $98,839. Noted Mar. 5.

Tex., Carrizo Springs—Dimmit Co. permanent paving 14.86 mi. road from Dilley to Dimmit Co. line, 18 ft., to Kelly & Lehr, 2525 Monterey St., San Antonio, $133,973.

Tex., Floresville — Wilson Co., grading, bituminous topping on macadam and bridging 9.06 mi. State Highway 81, Federal Aid Project 440-C, 18 ft., to W. T. Montgomery, 705 Alamo Bank Bldg., San Antonio, $203,-191. Engrs. est. $230,622.

Tex., Floresville — Wilson Co,. grading, bituminous on macadam surfacing and bridging 14.52 mi. State Highway 16, Federal Aid Project 434-A, 18 ft., to Brammer & Wilder, Stewart Bldg., Houston, $342,-087. Engrs. est. $395,096. Noted Mar. 5.

Tex., Snyder—Paving with 2¼ in. brick on 5 in. concrete 28,918 yd. various streets, to Smith Bros., Sumpter Bldg., Dallas, $2.94 per sq.yd., total $101,325. Noted Jan. 1.

Tex., Sonora—Sutton Co., grading, bridging and crushed stone surfacing 10.84 mi. State Highway 27, 16 ft., to Armstrong & Armstrong, Melrose, N. M., $76,417; 7.86 mi. and 11.25 mi. State Highway 27, both 16 ft., to W. T. Montgomery, c/o Alamo Nat. Bank Bldg., San Antonio, $75,392 and $112,601 respectively. Noted Mar. 5.

Oklahoma—State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project and e. e. means engineers estimate)**, to I. E. Hansen, Cleveland, grading and surfacing 6.8 mi. Newkirk-Kansas State line Rd., 18 ft., F. A. P. 167, Kay Co., $153,733, e. e. $165,-700, and concrete surfacing 5.147 mi. Ocheleta-Ramona Rd., 18 ft., F. A. P. 15-C, Washington Co., $118,741, e. e. $125,000; to M. E. Giloiz, Nowota, grading and gravel top surfacing 5.91 mi. Federal Aid Project 119, 18 ft., Nowota Co. $39,055, e. e. $45,-000; to Hamilton Constr. Co., Bartlesville, grading, etc., 7 mi. Verdigris Rd., 30 ft., and macadam surfacing 2 mi. same road, 18 ft., Rogers Co., $42,277; to D. A. Blackburn, Cole Bldg., Tulsa, 9.91 mi. S. A. P. 121-A and B, Rogers Co., $49,587, e. e. $54,000; to H. L. Cannady, 1122 South Lewis St., Tulsa, grading, etc., 3.414 mi. S. A. P. 107, 30 ft., Canadian Co., $26,265, e. e. $30,000, grading, concrete surfacing, etc., 7 mi. F. A. P. 124-A, Garfield Co., $178,-638, e. e. $190,000, 6.68 mi. F. A. P. 124-B, 18 ft., Garfield Co., $158,712, e. e. $171,310; to Maney Bros., Empire Bldg., Oklahoma City, grading, etc., 6 mi. Guthrie-Oklahoma Co. line Rd., 30 ft., F. A. P. 130-D, Logan Co., $27,984, grading, structures, etc., on 6.165 mi. Blackwell-Tonkawa Rd., 30 ft., Kay Co., $26,708, e. e. $30,000; to J. J. Harrison, 2100 South High St., Oklahoma City, grading, etc., 13 mi. Guthrie-Oklahoma Co. line Rd., 30 ft., F. A. P. 130-E, Logan Co., $44,569, 7.7 mi. Pershing-Barnsdall Rd., 30 ft., F. A. P. 153-A, Osage Co., $37,977, draining same road $34,369, and gravel surfacing 5.4 mi. Nowota-Watova Rd., 30 ft., S. A. P. 106, Nowata Co., $51,-611; to E. G. Fiske, Tulsa, grading, etc., 6.3 mi. Arkansas River Bridge-Ponca City Rd., 30 ft., Project 152-F, Osage Co., $55,387, and bridges on Guthrie-Oklahoma Co. line Rd., F. A. P. 130-F, Logan Co., $14,873; to Green-Beekman Co., 519½ West Main St., Oklahoma City, concrete surfacing 3.414 mi. S. A. P. 107, Canadian Co., $75,-367, e. e. $83,000. Noted Feb. 19.

Calif., Compton—Grading, curbing, sidewalks and 5-in. concrete paving, 228,450 sq.yd. Bway., McDevitt and Willow Sts., etc. to G. H. Oswald, 366 East 58th St., Los Angeles, $69,887. Engrs. est. $70,200. Noted Feb. 26.

Calif., Huntington Beach—Improving 7th St. between Main St. and Ocean Ave., 1.5 in Topeka on 3.5 in. asphaltic concrete paving, concrete sidewalks, etc., to G. M. Souter, 410 9th St., $25,361.

Calif., Los Angeles—Curbing, sidewalks, concrete paving, etc., Franklin Ave. between Hillhurst and Oxford Aves., to Curtis Paving Co., 2440 East 26th St., $77,776.

Calif., Los Angeles—To Griffith Co., 502 Ry. Exch. Bldg., improving portions of Judson St. $3,895, New Hampshire Ave. $13,-919, 53rd Ave. $9,118, and 54th Ave. $62,-260; to G. R. Curtis Paving Co., 2440 East 26th St., Council St. $14,309, and Leighton Ave. $23,053; to H. R. Erdman, 141 West Main St., Alhambra, Clifton St. $7,306; to R. K. Smith, 1124 South St. Andrews Pl., Emmet Terrace, $27,681; to Underground Constr. Co., 517 South Bway., El Contento

Streets and Roads (Continued)

Dr. $88,584; to W. D. McCray, 416 Amer. Bank Bldg., Isleta Dr. $53,161; to W. Liddington, 420 East 60th St., South Park Ave. $134,575; to G. H. Oswald, 366 East 58th St., Rimpau Blvd. $52,780. Noted Feb. 5.

Calif., Newport Beach — City Trustees, curbing, guttering, sidewalks, 4 in. concrete paving, etc., streets in Balboa Island, to Fleming Constr. Co., 105 North Park Ave., Pomona, $183,339. Noted Aug. 7.

Calif., San Francisco—Bd. Pub. Wks. improving Delong St., etc., 11,690 sq.ft. concrete and 62,000 sq.ft. asphaltic concrete paving, also Judah St., 148,141 sq.ft. asphaltic concrete paving, etc., to A. E. Hennessy, 724 Sharon Bldg., $34,092 and $64,779 respectively. Noted Mar. 5.

Calif., Redondo — Improving Catalina Ave., Clifton, to G. R. Curtis, 2440 East 26th St., Los Angeles, $42,852. Engrs. est. $43,000.

Buildings—Industrial

PROPOSED WORK

Mass., Medford — Repair and Service Garage—Owner, c/o M. A. Dyer, archt., 1 Beacon St., Boston, having preliminary plans prepared 1 story, rein.-con. and brick, High St., here. $40,000.

Mass., Newtonville (Ind. br. of Boston) — Repair and Service Garage — Newton Motor Sales Co., West Newton Sq., Newton, plans 1 story, rein.-con., 773 Washington St., here. $50,000. Private plans.

Conn., New Haven—Warehouse—Westcott & Mapes, Inc., engrs. and archts., 207 Orange St., take bids about Mar. 15, 3 story and basement, 33 x 50 ft., cold storage warehouse, rein.-con. and brick, for Durham Storage Co., 35 Olive St. $55,000. Noted Feb. 12.

N. Y., New York—Auto Service Station and Shop—Rotholz & Golden, archts. and engrs., 311 Lenox Ave., preparing plans 4 story, 50 x 100 ft., rein.-con., brick and steel, plain foundation, West 161st St. $150,000. Owner's name withheld.

N. Y., New York — Laundry — Fox Sq. Laundry, c/o J. J. Gloster, archt. and engr., 110 West 40th St., having plans prepared brick, steel and stone, plain foundation, Edgewater Rd. $200,000.

N. Y., New York—Slaughter House—E. S. and J. B. Appleby, Glencove, having plans prepared by Stadler, Levine & Craven, archts. and engrs., 29 Bway., 6 story, rein.-con., brick and steel, plain foundation, 11th Ave. and 40th St. $300,000.

N. Y., New York—Substation—New York Edison Co., 130 East 15th St., having plans prepared by W. Whitehill, 709 6th Ave., 3 story, rein.-con., brick and steel, plain foundation, West 84th St. $150,000.

N. Y., Yonkers—Plant—Otis Elevator Co., 250 11th Ave., New York City, having plans prepared by W. Moyer, archt. and engr., 260 11th Ave., New York City, 4 story, 100 x 350 ft., rein.-con. and steel addition, plain foundation, Atherton St., here.

N. C., High Point—Mill—Hillcrest Silk Co., 517 30th St., North Bergen, N. J., having plans prepared by Lockwood, Green & Co., Piedmont Bldg., Charlotte, large mill incl. 800 ft. spur track, here.

O., Martins Ferry — Foundry — Beans Fdry. Co., plans 1 story, 100 x 100 ft., brick and steel foundry. Private plans.

Ind., Muncie—Factory—Muncie Malleable Fdry. Co., Highland Ave., plans rebuilding 1 story factory buildings recently destroyed by fire. $100,000-$150,000.

Mich., Iron Mountain—Plant—Iron Mountain Gas Co., W. L. Tibbs, pres., 214 West Water St., Milwaukee, Wis., plans 2 story, brick and steel, plain foundation, here. To exceed $40,000. Engineer and architect not selected.

Ill., Belle Rive—Shops, Roundhouse, etc. —Illinois Central R.R. Co., 135 East 11th Pl., Chicago, plans division point building, incl. roundhouse, machine and car repair shops, office building and storage tracks, etc. for new main line between Edgewood, Ill. and Paducah, Ky., near here. F. L. Thompson, ch. engr.

Wis., Milwaukee—Cooler, etc.—Plankington Packing Co., Muskego Ave. and Canal St., had plans prepared by C. H. Kane, archt. and engr., c/o Swift & Co., Union Stock Yards, Chicago, Ill., 4 story and basement, 110 x 152 ft., brick and concrete, plain foundation, Muskego Ave. $250,000.

Kan., Ft. Scott—Factory—Borden Milk Co. plans 2 story, 50 x 60 ft., brick factory. $80,000. D. C. Davidson, local supt. Private plans.

Kan., Hutchinson—Plant—L. Lewis plans 2 story and basement, 66 x 165 ft. cleaning plant. $40,000. Engineer and architect not selected.

Kan., Wichita—Plant—J. Dold Packing Co., 21st and Lawrence Sts., having plans prepared by Henschin & McLaren, 1637 Prairie Ave., Chicago, Ill., 5 story and basement, 50 x 170 ft., packing plant addition.

Mo., Joplin—Mill—Burch Lead & Zinc Co. having preliminary plans prepared new mill and equipment for lead and zinc mine. $100,000. Private plans.

Tex., El Paso—Bag House—El Paso Smelting Wks. having plans prepared by R. S. Moore, archt. and engr., c/o owner, soon takes bids 1 story, 40 x 80 x 200 ft., concrete and brick. $250,000.

Tex., Ft. Worth—Mill—J. R. Griffin, c/o Chamber of Commerce, Ft. Worth, purchased 180 acre site and plans 50,000 spindle cotton mill along Houston & Texas Central R.R. tracks, south of here. $2,500,000. Engineer and architect not selected.

Tex., Houston—Farmers Market—Election Apr. 13, $350,000 bonds farmers market. O. F. Holcombe, mayor. Engineer and architect not announced.

Tex., McKinney—Plant—McKinney Ice & Coal Co. plans plant addition. $45,000. Engineer and architect not announced.

Tex., Palestine—Plant—Palestine Ice & Fuel Co. having plans prepared new ice and cold storage plant. $45,000. S. L. Watts, Tyler, engr.

Tex., Paris—Roundhouse—City and Mt. Pleasant R.R. Co. plan rebuilding roundhouse, recently destroyed by fire. $150,000. N. H. Ragland, Mt. Pleasant R.R. Co., secy. and genl. mgr.

Tex., Spears—Mill—Spears & Co. making plans 40 x 120 ft. cotton oil mill addition, rein.-con. and cement. $75,000. Private plans.

Tex., Victoria — Plant — Election soon $65,000 bonds light plant. $30,000 bonds previously voted for same. Total $95,000. Address Mayor. Engineer not selected.

Calif., Los Angeles—Factory—Albertson Motor Car Co., 1540 South Figueroa St., soon takes bids 2 story, 100 x 300 ft., rein.-con., 50th St. and Long Beach Ave. $175,000 or more. J. M. Cooper, Marsh-Strong Bldg., archt. Noted Feb. 19.

Calif., Redondo — Creamery — Crescent Creamery Co., 237 Winston St., Los Angeles, plans creamery. To exceed $40,000.

Calif., Santa Barbara — Plant — Voted $140,000 bonds for hydro-electric power plant and distribution system. G. Morrison, city engr. Noted Aug. 7.

Calif., Woodland — Plant — Woodland Democrat, had plans prepared by Dean & Dean, City Library Bldg., Sacramento, 2 story, news paper and printing plant, concrete, etc., Court St. $45,000.

Ontario — Power Plants, etc. — Hydro-Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans following improvements and extensions to hydro-electric power systems: Niagara System $13,500,000; developing and improving Queenston - Chippewa Development $7,500,000; transformer stations for Queenston $800,000, Toronto $400,000; high voltage stations in Guelph, Preston, Stratford, Woodstock, Kent and Essex $1,000,000; transmission lines $2,500,000; rural lines $500,000; miscellaneous $500,000; Georgian Bay System $1,130,000; extending South Falls Development $40,000; power development on Muskosh River $550,000; improving Severn, Eugenia and Wasdells Systems $30,000; transformer stations $100,000; transmission lines $230,000; St. Lawrence System, development at Morrisburg $1,500,000; transformer stations $50,000; transmission lines $100,000; Rideau System, general improvements to system and transformer stations $100,000; Thunder Bay System completing 3rd and 4th units, improving 5 and 6 at Camerons Falls, and completing dam at Virgin Falls $1,700,000; transformer stations $250,000; double circuit steel tower lines at Port Arthur and Ft. William $500,000; miscellaneous $100,000; Central Ontario System, Crow River Storage $350,000, Dams 4 and 5 $400,000, transformer stations $100,000, transmission lines $100,000, rural lines $50,000, local systems $200,000, miscellaneous $100,000; Nipissing System Cox's Chute $100,000, transformer stations $25,000, transmission lines $20,000; Ottawa System developments on Ottawa River $750,000, miscellaneous betterments to general works of Comn. incl. service and administration buildings $500,000, additions to plants $50,000. F. Gaby, ch. engr.

Ont., Windsor—Plant—Sterling Products Ltd., 937 Elliott St. plans new plant. $150,000.

BIDS DESIRED

Me., Winthrop—Plant—Winthrop Mills Co., taking bids 4 story and basement, 64x202 ft., brick and timber, concrete foundation. To exceed $40,000. F. P. Sheddon & Son, Hospital Trust Bldg., Providence, R. I., archts.

Mass., North Adams — Plant — North Adams Gas & Electric Co., c/o B. K. Cook, mgr., taking bids for gas plant, here. W. M. Russell, 77 Franklin St., Boston, archt.

Pa., Phila.—Factory—Mar. 16, by C. E. Wunder, archt., 1520 Locust St., 3 story and basement, 74 x 146 ft., brick, plain foundation, for Minter Bros., 5050-61 Lancaster Ave.

Wis., Bonduel—Factory—Mar. 21, by Bonduel Creamery Co., 2 story, 50 x 80 ft., brick and concrete factory, plain foundation. $40,000. J. F. Dreger, Oshkosh, archt.

Wis., Milwaukee—Factory—Mar. 21, by E. G. Schraeder Co., archts., 405 Bway., 1 and 2 story, 82 x 120 ft., brick and concrete, plain foundation, 30th St., for Standard Sheet Metal Wks., 1485 30th St. $50,000.

Wis., Milwaukee—Shop—C. J. Keller & Son, archts., 432 Bway., taking bids and open same about Mar. 18, 2 story, 40 x 82 ft., brick and tile, Van Buren St., for J. M. Hollitz, 445 Jefferson St. $40,000.

CONTRACTS AWARDED

Mass., Boston—Factory—Wright & Ziegler, 70 Spice St., altering and constructing 3 story, brick addition, Spice St., to J. W. Duff, Inc., 146 Summer St., Boston. Archts. est. to exceed $40,000.

Mass., Dorchester (Boston P. O.)—Repair and Service Garage—Green & Shapiro, Old South Bdg., will build 1 story, rein.-con., Wilder Rd., by day labor. $40,000. S. E. Moffie, 51 Cornhill St., Boston, archt.

Mass., Norwood—Plant—Bird & Sons, East Walpole, 2 story, 80 x 100 ft. finishing building, 1 story, 120 x 135 ft. printing building, and 1 story, 80 x 200 ft. oven building additions, all rein.-con. and brick, plain foundations, to Central Eng. & Constr. Co., Slater Bldg., Providence, R. I. Archts. est. $60,000, $65,000 and $60,000 respectively. Noted Feb. 26.

N. Y., Brooklyn — Service — Detroit Motor Car Realty Co., 1881 Bway., New York City, 5 story, 100 x 175 ft., rein.-con., brick and steel, plain foundation, Atlantic Ave., to Thompson & Binger, Inc., 103 Park Ave., New York City. Archts. est. $425,000.

N. Y., Coney Island (Sta. Brooklyn)—Shop—Bd. Transportation, 49 Lafayette St., New York City, structural steel for main repair shop and other buildings at yard, here, to Bethlehem Steel Co., 25 Bway., New York City, $670,005. Noted Feb. 26.

N. Y., Corona (Sta. Flushing)—Shop—Bd. Transportation, 49 Lafayette St., New York City, structural steel for inspection shop, here, to Levering & Garrigues, 552 West 23rd St., New York City, $69,000. Noted Mar. 5.

Tenn., Nashville—Factory and Cold Storage—Noel & Co. Ice and Cold Storage Co., 10th and Harrison Sts., general contract, freezing room, 8 story cold storage building, ice storage and office building to Gould Constr. Co., Independent Life Bldg., approximately $350,000.

O., Massillon—Blast Furnace—Central Steel Co., excavating, grading and concrete work for blast furnace, Columbia Heights, to A. F. Wendling, Massillon, $250,000. Noted Dec. 18.

Ill., Sterling—Factory—Natl. Mfg. Co., 5 story and basement, 75,000 sq.ft. floor space, rein.-con., to Austin Co., 16,112 Euclid Ave., Cleveland, O.

Mo., St. Louis—Factory—St. Louis Ice Cream Co., 517 South Jefferson Ave., will build 2 story and basement, 60 x 130 ft., rein.-con. and brick, 4581-95 Page Blvd., by day labor. $100,000. Private plans.

Tex., Ft. Worth—Laundry—Natatorium Laundry Co., 101 East Belnap St., 2 story, 100 x 200 ft., brick and steel, plain and concrete pile foundation, South Main and Terrell Sts., to Southwell & Abbott, 605 East 2nd St., $44,392. Noted Feb. 26.

Wash., Longview — Power House — See "Buildings—Commercial."

Wash., Millwood—Mill—Inland Empire Paper Co., 2 story, 145 x 255 ft., steel and rein.-con. mill, to Austin Co., Dexter-Horton Bldg., Seattle.

Calif., Los Angeles—Factory—D. and B. Pump & Supply Co., 301 West Avenue 26, general contract 1 story, 50 x 150 ft., concrete and steel, 301 Avenue 26, to Pacific Iron & Steel Co., 2637 Humboldt St., $40,000. Noted Mar. 5.

B. C., New Westminister — Plant — Canada Creosoting Co., Canadian Pacific Ry. Bldg., Toronto, Ont., constructing creosoting plant, incl. two 900,000 gal. tanks built with piping, and small office, here, to R. L. Bonham, Liverpool, company's engr. $250,000.

Buildings—Commercial

PROPOSED WORK

Mass., Arlington (Boston P. O.)—High School—Town, c/o E. H. Barker, chn. Bd. Educ., 79 Milk St., Boston, having plans prepared by Brainard & Leeds, 89 Franklin St., Boston, Eastern Junior High School, Lake St., East Arlington. $200,000. Noted July 17.

Mass., Arlington Heights (Boston P. O.) —Church — St. James Roman Catholic Church having plans prepared by W. B. Colleary, 80 Boylston St., Boston, 1 story and basement, rein.-con., brick and stone church. $150,000.

Mass., Boston — Hospital — Homeopathic Hospital, 82 East Concord St., E. H. Baker, pres., Ames Bldg., plans new hospital. $150,000. Engineer and architect not selected.

Mass., Boston — Parish House and Chapel — Second Congregational Church, V. Dabney, pastor, 6 Melville Ave., having plans prepared by G. F. Newton, 6 Beacon St., 2 story and basement, brick, Codman Sq. $150,000.

Mass., Brookline (Boston P. O.) — Apartment—Roosevelt, Inc., c/o Silverman, Brown & Heenan, archts., 51 Cornhill St., Boston, having preliminary plans prepared 10 story and basement, 150 x 20 ft., brick and steel, plain foundation, Beacon St. $2,000,000.

Mass., Chelmsford — Church — Roman Catholic Archbishop of Boston, c/o J. M. Gray, archt., 175 High St., Boston, having plans prepared 1 story and basement, 60 x 100 ft., rein.-con. and stucco church, here. $150,000.

Mass., Foxboro—High School—B. B. Bristol, chn. Town Building Com., plans new high school. $175,000. Engineer and architect not selected.

Mass., Malden — Convent — Immaculate Conception Church, c/o R. Neagle, pastor, Fellsway East, having plans prepared, 3 story and basement, brick, Fellsway East and West. $100,000. Private plans.

Mass., Medford—Apartment—Brown & Fay, 15 Salem St., plans 3 story and basement, brick and stone, Salem and Washington St. $150,000. Engineer and architect not selected.

Mass., Medford—Apartment—Syndicate, c/o E. C. Farrington, 53 Johnson Ave., West Medford, having plans prepared by Whitten & Gore, 31 Milk St., Boston, 4 story and basement, 40,000 ft. floor space, brick, 520 High St. $300,000.

Mass., Medford—Apartment—M. A. Dyer, archt., 1 Beacon St., Boston, preparing plans 6 story and basement, 160 x 160 ft., rein.-con., brick and limestone, High St. $500,000. Owner's name withheld.

Mass., Milford—Y. M. C. A. plans altering and constructing addition to buildings, Exchange St. $150,000. Private plans.

Mass., New Bedford — Bank—Merchants Natl. Bank, William St., having plans prepared by Adden & Parker, 177 State St., Boston, altering and constructing 2 story and basement, brick and granite addition, William St. $150,000 or more.

Mass., Rockport—High School—Bd. Selectmen plans 2 story high school, on Town Green near Tarr School. $150,000. Engineer and architect not selected.

Mass., Springfield—Office—A. Romano, 29 Locust St., plans rebuilding 4 story and basement, 83 x 148 ft., brick and steel, 184 State St., recently destroyed by fire. $150,000

Mass., Springfield — School — Dept. Pub. Buildings having plans prepared by M. W. Maloney, 23 Pearl St., 2 story and basement, brick and steel, East Springfield Dist. $150,000.

Mass., Ware—Church—East Congregational Church Society, C. B. Weatherby, chn. Building Com., raising $150,000 or more funds for new church replacing one recently destroyed by fire. Engineer and architect not selected.

Mass., Winthrop—School, etc.—Hebrew Assn., c/o L. Rudginsky, having plans prepared by S. E. Moffie, 51 Cornhill St., Boston, 2 story and basement, 60 x 100 ft., brick and stone school, gymnasium and auditorium, Shirley St. $150,000.

Mass., Worcester—Apartment—M. Katz, 29 Pearl St., having plans prepared by E. T. Chapin, 340 Main St., 5 story and basement, 95 x 100 ft. apartment, Boynton St. $300,000.

Mass., Worcester—Dormitory—Assumption College, Assumption Ave., plans dormitory on Assumption Ave. $225,000. O. E. Nault, 48 Hamilton St., archts.

Mass., Worcester—Garage—J. P. Coghlin, of Coghlin Electric Co., 259 Main St., plans 3 or 4 story, rein.-con. and steel garage. $800,000. Engineer and architect not selected.

Mass., Worcester — Warehouse — C. E. Mattson, c/o G. A. Johnson, archts., 405 Main St., having plans prepared 2 story and basement, 100 x 100 ft., rein.-con., brick and steel, plain foundation, Ashmont St. $150,000.

R. I., Providence — High School — City School Com., City Hall, plans Junior High School, Washington Park. To exceed $150,000. Engineer and architect not selected.

R. I., Providence—Hospital and Nurses Home — Bd. Comrs. City Hospital, 150 Eaton St., plans 2 additions and nurses home, etc. $850,000.

R. I., Providence—School—School Com., City Hall, plans school, America St. $1,000,000. Engineer and architect not selected.

R. I., Woonsocket—High School—School Comn. plans high school addition. $150,000.

Conn., Hartford — Garage — J. and T. Long, 52 Market St., plans 60 x 280 ft. garage. $150,000.

Conn., Hartford — Hotel — Hotel Bond, 354 Church St., having plans prepared by A. W. Lewis, 2 East 41st St., New York City, hotel, Church St. $150,000.

Conn., Hartford — Laboratory — Trinity College Corp. plans laboratory, Zion St. Trowbridge & Livingston, 527 5th Ave., New York City, archts.

Conn., New Haven—Apartment—Owner, c/o Ruda Constr. Co., 420 1st Ave., West Haven, having plans prepared by F. Rubino, 113 Hamilton St., 6 story, brick and steel, Wall St. To exceed $150,000.

Conn., New Haven — Hotel — Plans 11 story, 250 room hotel and theatre, George St. $1,000,000. A. W. Sperry, Chapel St., engr. Owner's name withheld.

Conn., New Haven—School—School Dist. Comn., 169 Church St., plans school, Exchange St. To exceed 150,000. Engineer and architect not selected.

Conn., New London — Office — Southern New England Telephone Co., 73 Washington Ave., plans office building, Washington St. $325,000. Engineer and architect not selected.

Conn., Norwich — Office — Southern New England Telephone Co., 114-126 Court St., New Haven, F. M. Dooley, Jr., Commercial Serv., Commercial Serv. Div., plans central office building, Washington St. $330,000.

N. Y., Brooklyn — Apartment — Isab Realty Co., Inc. c/o E. M. Adelsohn, archt. and engr., 1778 Pitkin Ave., having plans prepared brick, steel and stone, plain foundation, Fountain Ave. $200,000.

N. Y., Brooklyn—Clubhouse—B. P. O. E. 22, Brooklyn Lodge, soon takes bids brick, steel and stone, plain foundation, Livingston Ave. $3,000,000. McKim, Mead & White, 101 Park Ave., New York City, archts.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, had plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., P. S. 210, brick, steel and stone, plain foundation, Clarkson Ave., here. $1,200,000.

N. Y., Brooklyn—School—Brooklyn Society Ethical Culture, 172 South Oxford St., having plans prepared by E. Roth, 119 West 40th St., New York City, brick, steel and stone, plain foundation, South Oxford Ave. $250,000.

N. Y., Brooklyn—Theatre—Fein Realty Co., Inc., c/o Shampan & Shampan, archts. and engrs., 189 Montague St., having plans prepared brick, steel and stone, plain foundation, 7th Ave. and 81st St. $500,000.

N. Y., New York—Dormitory—Columbia University, Morningside Ave., had plans prepared by McKim, Mead & White, 101 Park Ave., 12 story, brick, steel and stone, plain foundation, 114th St. and Bway. $1,500,000.

N. Y., New York—Loft—Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., preparing plans brick, steel and stone, plain foundation, East 40th St. $750,000. Owner's name withheld.

N. Y., New York — Loft — Kennacoe Realty Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., having plans prepared 16 story, brick, steel and stone, plain foundation, 257 West 39th St. $1,000,000.

N. Y., New York—Office—Natl. Bd. Fire Underwriters, 76 William St., having plans prepared by Clinton & Russell, archts. and engrs., 100 Madison Ave., 14 story, brick, steel and stone, plain foundation, John and Gold Sts. $1,150,000.

N. Y., New York—School—St. Jean the Baptiste Roman Catholic Church, c/o R. J. Reiley, archt. and engr., 50 East 41st St., having revised plans prepared 6 story, brick, steel and stone, plain foundation, 161 East 75th St.

N. J., Newark—Bank and Office—Federal Trust Co., 740 Broad St., having plans prepared by C. G. Jones, Union Bldg., 10 story, brick, steel and stone, plain foundation, Clinton St.

N. J., Ventnor—City Hall—City Council plans city hall. $200,000. C. E. Reppetto, city clk. Engineer and architect not selected.

Pa., Johnstown—Church—First Presbyterian Church, 6th and Luzerne Sts., plans 2 story and basement, 70 x 100 ft., brick and stone, 6th Ave. and Luzerne St. $250,000. Engineer and architect not selected. J. W. Walters, chn. bldg. com.

Pa., Johnstown—High School—Bd. Educ. having plans prepared by J. E. Adams, Nemo Bldg., 4 story and basement, Morrellville St., Sheridan and Decker Aves. $750,000.

Pa., Lewiston—School—Lewiston School Dist. plans 3 story and basement, 30 x 306 ft., steel and brick school. $300,000. C. Coxe, supt. bd. dirs.

Pa., Wescosville — Almshouse — Lehigh Co. Almshouse, c/o A. Sliger, having plans prepared by D. Levy, 929 Hamilton St., Allentown, 3 story and basement, 200 x 300 ft., brick and steel, plain foundation.

N. C., Concord — Hotel — Concord Realty Co., c/o G. L. Patterson, pres., having plans prepared by W. L. Stoddart, 50 East 41st St., New York City, 6 story hotel. $300,000.

Fla., Ft. Myers—Schools—Lee Co. election Mar. 17, 350,000 bonds for school buildings. J. C. English, Supt. Pub. Instruction.

Fla., Miami—Hotel—C. H. Watson, 330 3rd St., having plans prepared by G. L. Preacher & Co., archts. and engrs., Healy Bldg., Atlanta, Ga., 15 story, 50x95 ft. hotel, North East Bay Shore Dr. and 2nd Ave.

Fla., Miami Beach—Hotel—Hotel Floridan Co., J. Cherbino, pres., having plans prepared by A. D. Bullerwoth, Miami Beach, 9 story, 37 x 51 ft., 5th St. and Albon Rd. $750,000.

Fla., Passagrille—Hotel—T. J. Rowe, St. Petersburg, having plans prepared by H. H. Dupont, St. Petersburg, 4 story hotel. $200,000. C. Beard, St. Petersburg, engr.

Fla., Sarasota — Hotel — C. Ringling & associates, Sarasota, having plans prepared by Pringle & Smith, Atlanta Trust Co. Bldg., Atlanta, Ga., 12 story hotel, Taniami Trail and Ringling Blvd. $1,000,000.

Fla., St. Petersburg—City Hall—City plans 8 story city hall. $300,000.

Ala., Gadsden — Church — First Baptist Congregation plans new church. $150,000. Engineer and architect not selected.

Miss., Winona—School—L. E. Townsend, supt. Montgomery Co., having preliminary plans prepared by C. H. Lindsley, Lamar Bldg., Jackson, 3 story, concrete and brick school. $125,000-$150,000.

Tenn., Knoxville — Church — Church of Holy Ghost raising $150,000 funds for church, Central St. and Hinton Ave. $150,000.

Tenn., Knoxville — Dormitories, etc. — State Building Comn., L. Pope, dir. State Institutions, 3533 Richland Ave., plans dormitories and additions to Tennessee School for Deaf, and Eastern State Hospital for the Insane, $175,000, also athletic field for Tennessee School for Deaf, $10,000. A. Peay, governor.

Tenn., Memphis—High School—Bd. Educ. takes bids about Mar. 26, 3 story, T shape, 180 x 250 ft., rein.-con. and brick, Lauderdale St. $200,000. Regan & Weller, 834 Bank of Commerce Bldg., archts.

Tenn., Nashville — Market House — City plans market house, on Public Square. To exceed $150,000. H. E. Howe, mayor.

O., Cleveland — Dormitory — Schauffler Missionary Training School, c/o R. Clapp, pastor, 5111 Fowler Ave., having plans prepared by C. W. Hopkinson, 900 Rose Bldg., 3 story and basement, brick, steel and concrete, Fouber Ave. $175,000.

O., Cleveland — Apartment — L. Duchon, 515 Ulmer Bldg., had plans prepared by A. F. Janowitz, 811 Prospect Ave., 2 story and basement, 38 x 144 ft., brick and timber, Holyoke Ave. $150,000.

O., Lakewood (Cleveland P. O.)—Church —Fifth Church of Christ Scientist, c/o W. C. Jones, 1st Reader, Schofield Bldg., Cleveland, plans brick and steel, West 117th St. $150,000. Engineer and architect not selected.

O., Lakewood (Cleveland P. O.)—Theatre, etc.—H. Robbins, Hippodrome Bldg., and M. Rubin, Ulmer Bldg., Cleveland, having plans prepared by Braverman & Havermaet, 208 Ulmer Bldg., Cleveland, 1, 2 and 3 story, brick, steel and concrete theatre, store and office building and store, office and apartment building, Madison Ave., and Hilliard Rd. $700,000.

O., Mansfield—Home—Richland Co., plans Children's home. $200,000 bonds voted. Noted Oct. 23.

O., Steubenville—Theatre—G. Shafer, 823 Main St., Wheeling, West Va., plans theatre in downtown dist., here. $500,000.

Mich., Detroit—Bank and Office—Detroit Trust Co., Fort and Shelby Sts., plans 2 story and basement, rein.-con. brick and

Buildings—Commercial (Continued)

steel, plain foundation, Fort St. Engineer and architect not selected.

Mich., Mt. Clemens—Hospital—Childrens Orthopedic Hospital, having plans prepared by A. Kahn, 1000 M rquette Bldg., Detroit, 4 story and basement, rein.-con., brick and steel, plain foundation. $150,000.

Ill., La Grange—Church—Emanuel Congregation, E. S. Humphreys, secy., having plans prepared by Marshall & Fox, 721 North Michigan Ave., Chicago, 2 story and basement, concrete, brick and stone church. $250,000. Noted Jan. 22.

Wis., Milwaukee—Orchestra Hall, Office and Store—Group of citizens represented by M. Rice, 414 Milwaukee St., having preliminary plans prepared by Judell & Bogner, 445 Milwaukee St., 11 story and basement, 120 x 200 ft., brick, steel and concrete, plain foundation. $1,750,000.

Ia., Ames — Memorial Union — Ames Alumni Assn., M. J. Riggs, pres., having plans prepared by Pond & Pond, 64 East Van Buren St., Chicago, Ill., 3 story and basement, rein.-con., brick and stone, at Iowa State College. $1,000,000.

Kan., Independence—Temple—York Rite Masonic Lodge, c/o R. Schultz, grand master, making preliminary plans 2 or 3 story, rein.-con., brick and stone temple. $150,000. Engineer and architect not selected.

Kan., Kansas City — Court House — W. Beggs, clk. Wyandotte Co., takes bids about May 1, 6 story, 134 x 222 ft., rein.-con. and stone court house. $1,000,000. Gilham, Cook & White, 409 Interstate Bldg., Kansas City, engrs., Wight & Wight, 1st Natl. Bank Bldg., archts. Noted Mar. 5.

Mo., Kansas City — Hotel — Park Lane Syndicate having plans prepared by G. B. Post & Sons, 318 Bryant Bldg., 5 story and basement, U shaped, 200 ft. front, rein.-con., plain foundation, 46th St. and Mill Creek Parkway. $850,000.

Mo., Kansas City—Mausoleum—Masonic Lodge, Federal Reserve Bank Bldg., having plans prepared by R. Peden, Armour and Troost Sts., 1 story, 134 x 196 ft., rein.-con. and marble, at Mt. Moriah Cemetery. $1,000,000.

Mo., St. Louis — Hospital — City having preliminary plans prepared by L. R. Bowen & E. E. Christopher, 301 City Hall, rein.-con., brick, stone and steel, Cottage, Kennerly, Goode and Whittier Sts. $1,250,000.

Mo., St. Louis—Office—Puritan Oil Corp., 35 West Ferry St., plans 10 story and basement, 125 x 140 ft., rein.-con., brick and stone, Washington and Theresa Aves. $500,000.

Mo., St. Louis — Theatre — Shubert Theatrical Interests, 225 West 44th St., New York City, soon takes bids rein.-con., brick, stone and terra cotta, 13th and St. Charles Sts., here. $500,000. T. P. Barnett & Co., Arcade Bldg., and H. J. Krapp, 116 East 16th St., New York City, archts.

Tex., Austin—Courthouse—Travis Co., c/o S. G. Matthews, judge, plans courthouse. $500,000. Engineer and architect not selected.

Tex., Houston—Office—Neils Esperson Estate, c/o N. Esperson, 1611 2nd Natl. Bldg., having plans prepared by J. Eberson, 212 East Superior St., Chicago, and soon takes bids 24 story and roof garden, 151 x 155 ft., rein.-con., steel, cast stone, terra cotta and brick, Travis St. and Rush Ave. $2,000,000.

Tex., Houston—Terminal Warehouse—Missouri, Kansas & Texas Ry., Scanlan Bldg., having plans prepared by G. B. Post & Son, 1003-7 Pioneer Trust Bldg., Kansas City, Mo., 1 and 6 story, rein.-con., brick and stone, Main St. along Missouri, Kansas and Texas Ry. tracks. $3,000,000.

Tex., Pittsburg—School—J. W. Westbrook, archt., 407½ North Bishop St., Dallas, prepared plans and takes bids latter part of March, rebuilding school recently destroyed by fire, here, for Owner, c/o S. Fleming, secy. $150,000. Noted Jan. 29.

Tex., Waco — Hospital — City and McLennan Co. plan election $200,000 bonds hospital. Engineer and architect not announced.

Tex., Wichita Falls — Warehouse — W. Blair, 411 Magnolia Bldg., Dallas, having plans prepared by J. R. Pelich, 214 W. T. Waggoner Bldg., Ft. Worth, 8 story and basement, rein.-con. and brick, plain foundation, here. $400,000.

Okla., McAlester—Court House—Pittsburg Co. defeated $300,000 bonds for new court house. Noted Jan. 29.

Okla., Oklahoma City—Office and Store—J. W. Mann, Cotton Exch. Bldg., having preliminary plans prepared by Hawk & Marr, Cotton Exch. Bldg., 10 story and basement, 75 x 140 ft., rein.-con., plain foundation, 2nd and Robinson Sts. $350,000.

Okla., Tulsa—Church, etc.—Sacred Heart Roman Catholic Congregation, c/o F. Kelley, bishop, making preliminary plans converting present church into school and constructing 1 and 2 story, concrete, brick and steel addition, parish house, etc. $300,000. Private plans.

Okla., Tulsa—Girls School—Benedictine Sisters, Guthrie Mother Mechtilde, Mother Superior, purchased site and plans girls school, here. $150,000. Engineer and architect not selected.

Wash., Seattle — Apartment — H. G. Hammond, archt., Alaska Bldg., takes bids about Apr. 3, 4 story and basement, 118 x 120 ft. apartment, 1218 Terry Ave., for A. W. Cassells, L. C. Smith Bldg., $160,000.

Ore., Astoria—Hotel, etc.—W. W. Lucas, archt., Portland, making plans and takes bids about Apr. 1, 3 story, 95 x 200 ft., rein.-con. and brick hotel, theatre and store building, plain foundation, Commercial, Bond and 11th Sts., here, for E. P. Hawkins, Astoria. $200,000.

Calif., Berkeley—Store and Office—Central Berkeley Building Co., Inc., c/o W. H. Ratcliffe, Jr., archt., Mercantile Bank Bldg., having preliminary plans prepared, 6 story (ultimately 12 story) and basement, steel, brick and concrete, Center St. and Shattuck Ave. $500,000.

Calif., Beverly Hills—School—G. A. Howard, Jr., archt., Story Bldg., Los Angeles, making preliminary plans group of 1 story, brick school buildings and auditorium with 330 seating capacity. $150,000 or more. Owner's name withheld.

Calif., Bakersfield—School and Rectory—St. Francis Catholic Church, having plans prepared by I. E. Lovelace, 4027 Kansas St., San Diego, rein.-con. and hollow tile school and rectory. $150,000.

Calif., Emeryville—School—Plans election bonds to exceed $150,000 for high school for Emeryville High School Dist.

Calif., Hollywood — Church and Sunday School — Thirteenth Church of Christ Scientist, c/o Allison & Allison, archts., Hibernia Bldg., Los Angeles, having plans prepared, rein.-con., Edgemont Blvd. $350,000.

Calif., Los Angeles — City Hall — City having plans prepared by Curlett & Beelman, Union Bank Bldg., fireproof city hall, on block bounded by Temple, Main, 1st and Spring Sts. $5,000,000 available through bond issue.

Calif., Los Angeles—Loft—B. M. Precita, archt., and E. R. Newcomb, engr., both Pantages Theatre Bldg., soon take bids 12 story and basement, 41 x 58 x 160 ft., rein.-con., Los Angeles St. near 11th St., for A. S. Theberge, 715 Camden Dr., Beverly Hills. Noted Feb. 12.

Calif., Los Angeles—Service Station—City having plans prepared by R. L. Smith, 833 South Spring Sts., altering and constructing 4 story, 28 x 60 ft., rein.-con. and brick, addition to connect service station to garage, 2nd and Hill Sts. $160,000.

Calif., Los Angeles—Store and Office—J. J. Warrick, 2446 Inverness Ave., having plans prepared by J. J. Frauenfelder, Story Bldg., 3 story and basement, approximately 100 x 150 ft., rein.-con., Vermont Ave.

Calif., Los Angeles—Theatre and Store—National Theatres, Inc., c/o F. Stiff, archt., 1251 4th Ave., having plans prepared 1 story, 140 x 200 ft., rein.-con., Mesa Dr. $200,000.

Calif., Los Angeles—Warehouse—Southwestern Harbor Co., c/o Noerenberg & Johnson, archts., Railway Bldg., having plans prepared, 2 story and basement, 80 x 150 ft., rein.-con., Atlantic St.

Calif., San Francisco—Apartment—F. E. Norman, c/o W. F. Gunnison, archt., 57 Post St., having plans prepared 5 story and basement, 100 x 105 ft., rein.-con., 20th and Valencia Sts. $165,000.

Calif., San Francisco—Hotel—Whitcomb Hotel, Market St., having preliminary plans prepared by G. Rushforth, 254 Pine St., 5 story and basement, rein.-con. and steel annex, Market St., near 8th St. To exceed $500,000.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by J. Reid, Jr., First Natl. Bank Bldg., fireproof annex to Brete Harte School. $150,000 or more.

Calif., San Francisco—Tabernacle—Glad Tidings & Bible Tabernacle, c/o W. F. Gunnison, archt., 57 Post St., having preliminary plans prepared 130 x 137 ft., steel and concrete, Ellis St. $250,000.

Calif., San Jose—Theatre—West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles, plans fireproof theatre, approximately 2,500 seating capacity, 1st and San Carlos Sts. To exceed $150,000.

Calif., Santa Barbara — Auditorium and Administration — State Teachers College, Sacramento, having plans prepared by G. B. McDougall, state archt., Forum Bldg., Sacramento, fireproof auditorium and administration building, here. $150,000.

Calif., Susanville—Hotel—Citizens Com. (being organized) having plans prepared by F. J. DeLongchamps, Gazette Bldg., Reno, Nev., Mt. Lassen Hotel, fireproof construction. $160,000.

Calif., Whittier—School—Whittier College having preliminary plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, fireproof housing exhibit, music hall, auditorium and club rooms. $300,000.

Que., Baie St. Paul — College — School Comn. having plans prepared by Bergeron & Lemay, Quebec, 4 story, 60 x 170 ft. college. $175,000.

Que., Quebec — Church — H. Laberge, archt., Quebec, preparing plans 62 x 200 ft. church. $150,000. Owner's name withheld.

Que., Quebec—Hotel—Ross & McDonald, Montreal, archts., preparing plans hotel, here. $200,000. Owner's name withheld.

Que., Quebec—Noviciate, Infirmary, etc.—Freres des Ecoles Chretieunes, Brother Olippius, principal, Commercial Academy, plans new noviciate, scholasticate and infirmary. $150,000. Engineer and architect names withheld.

B. C., Vancouver—Hotel—McCarter & Nairne, archts., 509 Richards St., preparing plans and take bids about May 1, 8 or 10 story, rein.-con., plain foundation, Seymour St. $1,000,000. Owner's name withheld.

BIDS DESIRED

Mass., Attleboro—Hospital—Mar. 18, by Strudy Memorial Hospital, 3 story and basement, brick, stone and concrete, plain foundation. $200,000. Kendall, Taylor & Co., 142 Berkeley St., Boston, archts. Noted Jan. 29.

Mass., Brighton (Boston P. O.)—Chapel—St. Gabriels Monastery, 159 Washington St., taking bids 1 story and basement, brick and stone, Washington St. $150,000. Maginnis & Walsh, 100 Boylston St., Boston, archts. Noted Sept. 4.

Mass., Framingham — Store — S. S. Kresge Co., Kresge Bldg., Detroit, Mich., taking bids 2 story and basement, rein.-con. and brick, Irving St., here. To exceed $150,000. Private plans.

Mass., Newton Center (br. of Boston)—Dormitory—Newton Rest Assn., Inc., c/o H. H. Kendall, treas., 876 Beacon St., Boston, taking bids 1 and 2 story and basement, 100 x 200 ft., brick dormitory, here. To exceed $150,000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Feb. 26.

Mass., Newtonville—High School—City of Newton, H. Fitts, city chn., City Hall, taking bids 3 story and basement, brick and stone, Elm Rd. and Walnut St., here. $600,000. Haven & Hoyt, 220 Devonshire St., Boston, archts. W. A. Richardson, 80 Boylston St., Boston, engrs. Noted Feb. 26.

Mass., Quincy (Boston P. O.)—Theatre, Store and Office—M. Allen, c/o Tuck & Co., archts., 636 Warren St., Roxbury, taking bids 3 story and basement, 70 x 200 ft., brick and steel, plain foundation, Follaston Sect., here. $200,000. Noted Jan. 15.

R. I., Olneyville (Ind. Sta. Providence)—Club—Providence Boys Club taking bids 2 story and basement, 70 x 170 ft., brick, Atwood St. $160,000. K. C. Richmond, 526 Grosvenor Bldg., Providence, archts. Noted Oct. 30.

Conn., Hartford — Apartment — I. Sherman, 740 Albany St., taking bids 5 story, 80 x 90 ft., brick, Farmington Ave. $150,000. F. C. Walz, 407 Trumbull St., archt.

Conn., Middletown—Business—J. Poliner & Sons, Main St., taking bids 3 story and basement, brick and steel business building. $150,000. Berenson & Moses, 30 Alyn St., archts. Noted Jan. 29.

Conn., New Britain — Business — L. Rafhael, 77 Grove Hill St., taking bids 3 story and basement, 85 x 90 ft., brick, concrete and stone, plain foundation, West Main St. $150,000. W. H. McKay, 87 West Main St., archt.

Conn., New Britain—Store and Office—L. Raphael, 77 Grove Hill, taking bids 3 story and basement, 75 x 90 ft., brick and stone store and office building. $150,000. W. H. McKay, 87 West Main St., archt.

N. Y., Buffalo—School—Mar. 27, by Bd. Educ., 901 Genesee Bldg., 2 story and basement, 110 x 130 ft., rein.-con. and brick, Northland Ave. To exceed $350,000.

N. Y., New York—Store and Office—J. Tishman & Son, Inc., 280 Madison Ave., will build brick, steel and stone, plain foundation, 18 East 34th St. $2,500,000. Work will be done by separate contracts under owners supervision. Buchman & Kahn, 49 West 45th St., engrs. and archts.

N. J., Camden—Lodge—Mar. 16, by J. C. Jefferies, archt., 312 Market St., 3 story and basement, 70 x 150 ft., brick and steel, plain foundation, 7th and Cooper Sts., for

Buildings—Commercial (Continued)

B. P. O. E. 293, Federal and Bway. Sts. Former bids rejected.

Pa., Altoona — Church — Mar. 20, by Mountain City Hebrew Reform. Congregation, c/o Stanley & Scheibel, archts., 1301 Wick Bldg., Youngstown, O., 2 story and basement, 60 x 147 ft., steel, concrete and stone, Chestnut Ave. $150,000.

Pa., Johnstown—City Hall—Mar. 17, by City Council, 4 or 5 story and basement, 75 x 100 ft., steel and brick, Washington St. $200,000. Hersh & Shollar, Commerce Bldg., Altoona, archts. Noted Feb. 19.

Pa., Phila.—Fire House Headquarters—Mar. 16, by Bureau Fire, 215 City Hall, 3 story and basement, 107 x 129 ft., rein.-con. and brick, plain foundation, Broad and Race Sts. $250,000. Private plans.

Pa., Phila.—Store and Apartment—Mar. 17, by Murphy & Talley, archts., Drexel Bldg., 4 story and basement, 185 x 242 ft., brick and steel, plain foundation, Frankford Ave. and Foulkrod St., for W. Freihofer, 20th and Indiana Sts. Noted Jan. 1.

Tenn., Memphis — Store — Hanker & Cairns, Hill Bldg., taking bids brick store building, South Main St. and Calhoun Ave., for Pendergrast Estate, J. C. Pendergrast, agt. $150,000.

O., Canton — School — Mar. 19, by Bd. Educ., 2 story and basement brick, steel and concrete additions to Belden and Stark Schools. $150,000. Richards, McCarthy & Bulford, 594 East Broad St., Columbus, archts.

O., Cincinnati—School—Mar. 23, by Bd. Educ., Denton Bldg., 3 story and basement, 250x350 ft., rein.-con., brick and terra cotta, Cedar Ave. $400,000. Elzner & Anderson, Denton Bldg., archts.

O., Norwood—School—Mar. 23, by Bd. Educ., 1 story and basement, rein.-con., brick and terra cotta addition to Norwood View School, plain foundation, Hannaford St. $200,000. S. Hannaford & Sons, 1024 Dixie Terminal Bldg., Cincinnati, archts. Noted Nov. 27.

Ind., Mt. Vernon—Memorial—Mar. 30, by C. E. Werking & Sons, archts., Richmond, 2 story and basement, 200 x 260 ft., brick memorial building, for Comrs. Posey Co. $200,000. Noted Mar. 5.

Mich., Dearborn—Theatre and Recreation—Stahl & Kinsey, archts., 628 McKerchey Bldg., Detroit, taking bids and open same about Mar. 20, 2 story and basement, 109 x 210 ft., rein.-con., brick and steel, plain foundation, Michigan Ave., for Ford Temple Theatre Mutual Investment Co. $200,000.

Mich., Detroit — Hospital and Nurses' Home—Mar. 23, by H. H. Prenzlauer, secy. Dept. Pub. Welfare, Clinton and Raynor Sts., 5 and 15 story and basement, rein.-con., brick and steel, plain foundation, Antoine St. $900,000. Carey & Esselstyn, 602 Hoffman Bldg., archts. Noted June 12.

Ill., Chicago—Hotel—Mar. 17, by Holabird & Roche, archts., 104 South Michigan Ave., 25 story, basement and sub-basement, 660 x 660 ft., rein.-con., brick and steel, plain foundation, 7th St. and Michigan Ave., for Stevens Hotel Co. $2,000,000. Noted Oct. 25.

Wis., Fond du Lac—Theatre, Store and Office—Mar. 18, by C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., 2 and 3 story, 120 x 190 ft., brick, concrete and terra cotta, plain foundation, Main St., here, for W. Schroeder, 86 Michigan St., Milwaukee. $350,000.

Wis., Milwaukee—Apartment—Mar. 20, by J. Topzant, archt., 144 Oneida St., 3 story and basement, 97 x 105 ft., brick and tile, plain foundation, Oakland Ave., for S. H. Jacobson, 35 South Water St. $150,000.

Wis., Wausau—Bank and Office—Mar. 18, by Childs & Smith, archts., 720 Michigan Blvd., Chicago, Ill., 8 story and basement, 50 x 122 ft., brick, stone, steel and concrete, plain foundation, here, for Amer. Natl. Bank, 3rd and Scott Sts. $350,000. Noted Jan. 29.

Ia., Creston — School — Mar. 25, by Bd. Educ., 2½ story and basement, 154 x 208 ft., rein.-con., brick and stone school. $260,000. Keffer & Jones, Masonic Temple, Des Moines, archts. Noted Jan. 8.

Ia., Sioux City—Lodge—Mar. 17, by Epiphany Council, Knights of Columbus, J. C. Mullaney, chn. building comn., Grain Exch. Bldg., 2 story and basement, 76 x 201 ft., rein.-con., brick and stone, 8th and Douglas Sts. $150,000. W. L. Steele, 502 U. B. Bldg., archt.

Minn., Minneapolis—School—Mar. 16, by Bd. Educ., 305 City Hall, two 2 story and basement, rein.-con., brick, tile and stone schools, one at Oliver and 10th Aves. N., and other at 44th and Girard Aves. N. $125,000 each. G. F. Womrath, business supt.

Minn., St. Paul — Mar. 16, by St. Paul Gas Light Co., F. C. Hoffman, secy., 6th and Cedar Sts., 3 story and basement, 100 x 228 ft., rein.-con., brick and stone, Rice and Atwater Sts. $150,000. Toltz, King & Day, Builders Exchange, archts.

Kan., Hiawatha—Jail and Court House—Mar. 20, by W. E. Hulse & Co., archts., Stamey Hotel Bldg., Hutchinson, 3 story and part basement, 91 x 106 ft., rein.-con. and stone, for Brown Co. $350,000.

Mo., Baltimore—Apartment—Mar. 16, by F. J. and J. H. Thuman, archts., 803 Park Ave., 4 story and basement, brick, plain foundation, Harford Rd. and Parkside Dr., for Arcadia Building Corp., c/o architects. $150,000. Noted Jan. 8.

Mo., Carthage—College—Mar. 18 (extended date) by Bonsack & Pearce, archts., Republic Bldg., St. Louis, and P. K. Simpson, consult. archt., Carthage, 3 story, 55 x 246 ft., stone, steel and concrete, for Ozark Wesleyan College, c/o W. W. King, pres. $250,000. Noted Mar. 6.

Mo., Oran—School—Mar. 16, by G. C. Blocker, secy. Bd. Educ., 2 story and basement, brick and concrete school. A. F. Lindsay, Sikeston, archt.

Ark., Little Rock—Church—Mar. 24, by C. L. Thompson, archt., 504 Southern Trust Bldg., 2 story, 125 x 145 ft., rein.-con., brick and hollow tile, 16th and Louisiana Sts., for Winfield Memorial Methodist Episcopal Congregation. Noted Jan. 29.

Tex., Harrisburg—High School—Mar. 17, by L. A. Glover, archt., 604 Binz Bldg., Houston, brick, stone and rein.-con., here, for Owner, c/o J. S. Deady, pres. $200,000. Noted Nov. 6.

Tex., New Braunfels—Hotel—H. Landa, taking bids 6 story and basement, tile brick and stucco, plain foundation. $150,000. H. T. Phelps, Hicks Bldg., San Antonio, archt.

Okla., Wagoner—School—Election Mar. 20, $150,000 bonds, for 2 story and basement, 110 x 190 ft., rein.-con. and brick, plain foundation, Washington St. $150,000. A. J. Love & Co., Lynch Bldg., Tulsa, archts.

Calif., Los Angeles—Store and Office—Curlett & Beelman, archts., Union Bank Bldg., San Francisco, taking bids 12 story and basement, 145 x 175 ft., brick and steel, 7th and Main Sts., for Seventh and Main Building Co., c/o architects.

Calif., Pasadena—Warehouse—Dunford & Brandner, archts., 1017 Lincoln Bldg., Los Angeles, taking bids 3 story, 60 x 100 ft., rein.-con. warehouse, here, for Miller Transfer & Storage Co., 60 West Green St.

Calif., San Francisco—School—Apr. 1, by Pub. Wks., LeConte School, fireproof, Harrison St. near Precita Ave., for City and San Francisco Co. $331,000. J. Reid, Jr., city archt.

BIDS RECEIVED

N. Y., New York—Armory—Armory Bd., Municipal Bldg., reconstructing Squadron A armory, Madison Ave. and 94th St., from M. Miller Constr. Co., 706-6th Ave., A $168,000, B $1,240. Noted Feb. 26.

N. Y., Woodhaven (branch Jamaica)—School—W. H. Gompert, supt. school buildings, Flatbush Ave. extension and Concord St., Brooklyn, Mar. 4, general contract addition to P. S. 65, 77th St., here, for Bd. Educ., 500 Park Ave., New York City, from Eastern Constr. Co., 110 West 40th St., New York City, $310,310; heating, from Alvord & Swift, Inc., Grand Central Terminal, New York City, $47,178. Noted Feb. 19.

Pa., Phila. — Trade and Continuation School—Bd. Educ., general contract 5 story and basement, 148 x 160 ft. trade and continuation school, 13th and Brandywine Sts., from McCloskey Co., 1600 Thompson St., $833,814; plumbing, from Bolman Bros., 5th and Cumberland Sts., $32,986; heating, from Mellon Co., 4415 Ludlow St., $77,977. Noted Jan. 15.

Md., Baltimore—School and Gymnasium—Bd. Awards, 3 story and basement, 211 x 266 ft., rein.-con. and brick, plain foundation, Fait Ave., 1st and Hudson Sts., from J. L. Robinson Constr. Co., 1130 West Lafayette Ave., $574,586. Noted Feb. 19.

O., Cleveland—Infirmary—State Building Comn., c/o J. E. Harper, dir. Pub. Welfare, Columbus, Feb. 27, remodeling and constructing 3 story, 30 x 40 ft., brick, steel and concrete addition, Turney Rd., here, from Reaugh Constr. Co., 2861 East 51st St., $161,400. Noted Feb. 12.

O., Lancaster—School—Bd. Educ. Fairfield Co., P. H. Snyder, clk., 2 story and basement, 80 x 125 ft., rein.-con. and brick in Baltimore and Basil, from Taylor & Linn, 6 South 5th St., Zanesville, $[illegible],000. Noted Feb. 19.

Calif., Long Beach—High School—Bd. Educ., general contract Woodrow Wilson High School, rein.-con., from J. D. Sterer & Son, 1865 East Anaheim St., $395,249. Noted Nov. 27.

CONTRACTS AWARDED

Me., Livermore Falls—High School—A. P. Lewis, chn. Town Comn., 2 story and basement, 55 x 160 ft., brick and cast stone, to C. T. Reynolds Co., 46 Stone St., Augusta. Archts. est. $150,000.

Me., Portland—Apartment—Casso & Son, Pine St., will build 5 story, 55 x 120 ft., brick, plain foundation, Pine St., by day labor. $150,000. O. E. Emerson, 358 Sawyer St., archt.

N. H., Berlin—High School—City Council, 2 story and basement, 112x160 ft., brick and stone, plain foundation, to T. F. Moreau Co., 468 Lisbon St., Lewiston, Me. Archts. est. to exceed $200,000. Noted Mar. 5.

N. H., Nashua—Nurses Home—Nashua Memorial Hospital, 3 story and basement, 35 x 100 ft. nurses home, brick and stone, to Nashua Building Co., 95 Temple St. Archts. est. $150,000. Noted Jan. 22.

Mass., Beverly Farms—Post Office—S. Knight & Sons, c/o E. S. Read, archt., 177 State St., Boston, 2 story, brick, here, to Roberts & Hoar, Manchester, N. H. U. S. Government, lessee. Noted Feb. 19.

Mass., Boston—Apartment—L. S. Kaufman, 94 Queensbury St., will build 8 story and basement, 60 x 110 ft., rein.-con., brick and steel, plain foundation, 1802 Commonwealth Ave., by day labor. $350,000. G. N. Jacobs, 4 Park St., archts. Noted Feb. 19.

Mass., Brookline — Apartment—Warwick Inc., 8 story and basement, 93 x 119 ft., rein.-con., brick and limestone, plain foundation, to M. E. Ryan, 2 Central Sq., Cambridge. Archts. est. $425,000.

Mass., Cambridge (Boston P. O.) — Theatre—W. Tufts, c/o Tuck & Co., archts., 636 Warren St., Roxbury, National Theatre, 1 story, 80 x 140 ft., brick and steel, 2408 Massachusetts Ave., here, to J. F. Greenwood, 101 Tremont St., Boston. Archts. est. $150,000. Noted Dec. 25.

Mass., Hyannis — Fire Station — Fire Dept., 2 story and basement, rein.-con. and brick, plain foundation, to Bristol Constr. Co., Granite Bldg., Fall River. Archts. est. $150,000. Noted Feb. 19.

Mass., Lowell — Bank — Union Natl. Bank, 61 Merrimac St., 2 story, brick and stone, Merrimac St., to I. G. Hersey & Sons Co., 75 Wareham St., Boston. Archts. est. $150,000 or more.

Mass., Somerville—Apartment—J. E. Locatelli, 151 Highland Ave., will build 5 story and basement, rein.-con. and timber, plain foundation, 156-158 Summer St., by day labor. $200,000. Private plans.

R. I., Providence—High School—School Com., City Hall, 3 story and basement, 75 x 105 ft., brick and steel addition to Commercial High School, Spring St., to E. Turgeon, 86 Weybosset St., $172,415. Noted Mar. 5.

Conn., Norwalk — Nurses' Home — Norwalk Hospital, Stevens St., 4 story and basement, 54 x 137 ft., brick, stone and steel, to Hewlett Co., 1st Natl. Bank. Bldg., Bridgeport. Archts. est. $150,000.

N. Y., Brooklyn — Apartment — Baltic Building Corp., c/o E. Holmgren, archt. and engr., 371 Fulton St., will build brick, steel and stone, plain foundation, 6th Ave. and 61st St., by day labor. $200,000.

N. Y., Brooklyn—Apartment—Cherry & Moscowitz, 215 Montague St., will build brick, steel and stone, plain foundation, Herkimer St., by day labor. $200,000. M. Morris & Son, 1192 Dean St., archts.

N. Y., Brooklyn—Apartment—S. Cohen, c/o Seelig & Finkelstein, archts. and engrs., 44 Court St., will build brick, steel and stone, plain foundation, East 16th St., by day labor. $150,000.

N. Y., Kings Park—Hospital—State Hospital Comn., Albany, constructing buildings A to R (inclusive), also T, at Soldiers and Sailors Memorial Hospital, here, to M. Kantrowitz, 20½ Market St., Albany, $2,527,000. Noted Jan. 15.

N. Y., New York—Academy—Academy of Medicine, c/o York & Sawyer, archts., 50 East 41st St., 14 story, brick and stone, 5th Ave. and 103rd St., to M. Eidlitz & Son, Inc., 41 East 42nd St. Archts. est. $750,000. Noted May 29.

N. Y., New York—Apartment—G. N. Hal Realty Corp., c/o Rotholz & Golden, archts. and engrs., 311 Lenox Ave., will build 6

Buildings—Commercial (Continued)

story, brick, steel and stone, plain foundation, Townsend Ave. and 174th St., by day labor. $225,000.

N. Y., New York—Apartment—Rosedale Eng. Co., c/o Meisner & Uffner, archts., 505 East Tremont Ave., will build 5 story, brick, steel and stone, plain foundation, St. Lawrence Ave., by day labor. $150,000.

N. Y., New York—Apartment—Samsol Realty Co., c/o H. I. Feldman, archt., 562 5th Ave., will build 6 story, brick, steel and stone, plain foundation, Bryant Ave. and 174th St., by day labor. $200,000.

N. Y., New York — Apartment — Sideo Realty Co., c/o Moore & Landseidel, archts., 148th St. and 3rd Ave., will build 6 story, brick, steel and stone, plain foundation, Sheridan Ave., by day labor. $200,000.

N. Y., New York — Commercial — Two Hundred Madison Ave. Corp., c/o Warren & Wetmore, archts., 16 East 47th St., 25 story, brick, steel and stone, plain foundation, Madison Ave. between 35th and 36th Sts., to Dwight P. Robinson & Co., Inc., 125 East 46th St.

N. Y., New York—Loft—Ralston Realty Co., c/o G. and E. Blum, archts. and engrs., 505 5th Ave., will build brick, steel and stone, plain foundation, 36th St. and 8th Ave., by day labor. $1,500,000.

N. Y., New York—School—Church of Sacred Heart, 1253 Shakespeare Ave., 3 story, brick, steel and stone, plain foundation, Nelson Ave., to J. Mulligan, 2692 Creston Ave. Archts. est. $250,000.

N. Y., New York—School—Church of St. Simon Stock, c/o W. F. Fanning, archt., 522 5th Ave., brick, steel and stone, plain foundation, Valentine Ave. and 182nd St., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn. Archts. est. $200,000. Noted Sept. 11.

N. Y., New York—School—Mary Help of Christians Roman Catholic Church, c/o Salvati & LeQuornick, archts., 371 Fulton St., Brooklyn, 4 story, brick, steel and stone, plain foundation, East 11th St. near Ave. A, to T. O'Reilly & Son, 17 East 49th St.

N. Y., New York—Theatre—S. Brill, 1540 Bway., brick, steel and stone, plain foundation, Dyckman St., to M. Shapiro & Son, 1540 Bway. Archts. est. $250,000.

N. Y., New York — Theatre — L. Silver, c/o Margon & Glaser, archts. and engrs., will build brick, steel and stone, plain foundation, Walton Ave., by day labor. $200,000.

N. Y., Tonawanda—High School—Bd. Educ., high school, Main St., to Braas Bros. Co., 1110 Whitney Ave., Niagara Falls, $517,000. Noted Feb. 12.

Pa., Millvale—School—Bd. Educ. general contract 2 story and basement, 98 x 164 ft., brick on hollow tile, to A. and S. Wilson Co., 541 3rd Ave., Pittsburgh, $121,660. Noted Feb. 19.

Pa., Phila.—Apartment—Lincoln Drive Apartment Corp., c/o L. H. Cahan, pres., Bankers Trust Bldg., 14 story and basement, 63 x 334 ft., brick and steel, plain foundation, Lincoln Dr. and Johnson St., to Longacre Constr. Co., 345 Madison Ave., New York City. Archts. est. $1,200,000.

Pa., Phila.—Theatre, Store and Office—Equitable Realty & Holding Corp., c/o A. F. Gilbert, archt. and engr., 358 5th Ave., New York City, 22 story, 224 x 230 ft., brick, steel and stone, plain foundation, Broad and Locust Sts., to Lynch Constr. Co., Inc., 1 Pershing Sq., New York City. Archts. est. $6,000,000.

Pa., Pittsburgh — Hospital — Pittsburgh Hospital Assn., Frankstown, general contract 4 story and basement addition, Washington Blvd., to A. and S. Wilson, 541 3rd Ave. Archts. est. $300,000. Noted Feb. 19.

Pa., Pottstown — Theatre — Pottstown Theatre Co., c/o G. E. Bennethan, 1307 Vine St., 3 story and basement, 60 x 163 ft., brick and steel, plain foundation, to F. H. Keiser, Pottstown.

Md., Denton — School — Building Com. Pub. School Bd., 3 story and basement, 65 x 134 ft., brick, plain foundation, to J. R. Dashiell, Princess Anne, $150,000. Noted Feb. 26.

Md., Baltimore — Apartment — Parker, Thomas & Rice, archts., Union Trust Bldg., 4 or 5 story, brick and steel addition, plain foundation, 3404 St. Paul St., to Price Constr. Co., Maryland Trust Bldg. for Fenway Apartment Co., Union Trust Bldg. $150,000. Noted Feb. 19.

W. Va., Parkersburg—School—Bd. Educ., general contract Jefferson Graded School, 2 story and basement, rein.-con. and brick, to Central States Constr. Co., 1107 4th Ave., Huntington, $143,000.

Tenn., Memphis—Professional—Medical Arts Co., Inc., Bank of Commerce Bldg., 8 story, 58 x 150 ft. professional building, and 2 story 90 x 150 ft. garage, both rein.-con., brick and steel, Madison St., to Keeley Bros. Constr. Co., 2100 State St., East St. Louis, Ill. Archts. est. $750,000. Noted Oct. 2.

Tenn., Nashville — Bank and Office — Amer. Trust Co., 235 3rd Ave., P. D. Houston, pres., general contract 14 story, brick and steel, 3rd Ave. and Union Sts., to Hegeman-Harris Co., Nichol Bldg. Archts. est. $800,000. Noted Feb. 12.

Tenn., Nashville—Office—Cotton States Life Insurance Co., Stahlman Bldg., C. Loridans, pres., 10 story and basement, 82 x 194 ft., brick, steel and stone, 6th and Deaderick Sts., to Southern Ferro Concrete Constr. Co., 50 East Ellis St., Atlanta, Ga., approximately $500,000. Noted Mar. 5.

O., Bremen—High School—Bd. Educ., D. S. Miller, clk., 2 story and basement, 148 x 150 ft., rein.-con. and brick, to J. Huston & Co., Lancaster, $95,082. Noted Feb. 5.

O., Cleveland — Store and Office — Superior-Payne Co., c/o G. A. Grieble, archt., Sloan Bldg., 6 story and basement, 66 x 112 ft., brick and rein.-con., 1110 Superior Ave., to Crafts Constr. Co., Sloan Bldg. Archts. est. $300,000.

O., Warren — Bank and Office — Union Savings & Trust Co., R. A. Cobb, chn., 9 story and basement, 53 x 114 ft., brick, steel and concrete, to Selden Breck Co., Fullerton Bldg., St. Louis, Mo., $450,000. Noted Feb. 26.

Mich., Detroit—School—C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story and part basement, rein.-con., brick and steel, plain foundation, Centerline Ave., to F. N. Cooper, 6370 Gratiot Ave., $558,885. Noted Mar. 5.

Wis., Milwaukee — Apartment — J. Hunholz, 2310 Vliet St., concrete for 8 story and basement, 60 x 75 ft., brick and concrete, plain foundation, Mason St., to Cutler Constr. Co., 886 46th St. Archts. est. $300,000. Noted Feb. 12.

Wis., Milwaukee — School — School Bd., c/o F. Harbach, secy., 2 story and basement, 117 x 172 ft., brick, concrete and tile addition, plain foundation, Oklahoma Ave., concrete and excav., to Kroening Constr. Co., 39th Ave. and Mitchell St., $31,950; masonry, to Jahns & Knuth, 1331 28th St., $59,700; carpentry, to F. Kempinski, 1336 8th Ave., $61,856; structural steel, to Worden-Allen Co., Port Washington Ave., $12,492; heating, to J. E. Robertson Co., Wisconsin Ave., Wauwatosa, $29,768.

Wis., Wauwatosa—Dormitory—W. Coffey, mgr. Bd. Trustees Milwaukee Co. Institutions, general contract 3 story and basement, brick and concrete dormitory addition at asylum for chronic insane, plain foundation, to Immel Constr. Co., Dana Bldg., Fond du Lac, $674,000. Noted Jan. 22.

Ia., Cedar Rapids — Bank and Office — Merchants Natl. Bank, steel frame contract for 12 story and basement, 76 x 140 ft., 2nd Ave. and South 3rd St., to Iowa Steel Wks., 12th Ave. and South 4th St., $100,000. Noted Feb. 19.

Ia., Ottumwa—Hospital, etc.—St. Josephs Hospital, contract for completion 3 story and basement, rein.-con. and brick hospital, to Immel Constr. Co., Dana Bldg., Fond du Lac, Wis. Archts. est. $450,000. Noted Dec. 25.

Minn., Duluth—High School—C. A. Bronson, secy. Bd. Educ., 2nd St. E., general contract Junior High School, 3 story, 72 x 294 ft. academic building, 68 x 270 ft. domestic science building and 82 x 130 ft. gymnasium, rein.-con., brick and stone, 4th St. between 44th and 46th Aves. W., to Pfeffer Constr. Co., 402 Builders Exch. Bldg., $760,000.

Kan., Lawrence—Hotel—W. J. Hutson, c/o Eldridge Hotel, 6 story, 50 x 117 ft., rein.-con., brick and stone, to M. J. Green, Union Natl. Bank Bldg., Manhattan. Archts. est. $200,000. Noted Sept. 4.

Kan., Topeka—Home—Methodist Episcopal Congregation, general contract 3 story and basement, 42 x 88 ft. and 42 x 150 ft., concrete, brick and stone, Manson and College Sts., to A. W. Whitsett, 205 Western Ave., Topeka, $150,000 cost plus basis. Noted Mar. 5.

Mo., Kansas City—Auditorium—Kansas City Stock Yards Co., Live Stock Exch. Bldg., will build 2 story, 220 x 452 ft., and 220 x 260 ft., rein.-con. and steel, 23rd and Wyoming Sts., by day labor. C. E. Smith & Co., Ry. Exch. Bldg., St. Louis, engrs. and archts.

Mo., Kansas City—Hotel and Lodge—Gates City Lodge 522 A. F. and A. M., general contract 7 story and basement, 92 x 100 ft. hotel and lodge building, 3030 36 Troots Ave., to B. L. Elmer, 1004 West 33rd St. Archts. est. $300,000. Noted Jan. 1.

Mo., Kansas City—Hotel—J. N. McConnell, c/o R. Gornall, archt., 203 Bruening Bldg., 8 story and basement, 60 x 150 ft., rein.-con. and brick, 36th St. and Bway., to Collins Bros., 1600 Grand Ave. Archts. est. $500,000. Noted Dec. 11.

Mo., North Kansas City—High School—General contract 2 story and basement, 133 x 174 ft., rein.-con. and brick, plain foundation, to Fritzlen & Hufford, Liberty, $121,965; heating, plumbing and ventilating, to G. Foley Heating & Plumbing Co., 1002 East 19th St., Kansas City, $27,380. Noted Nov. 13.

Mo., St. Louis—Bank and Office—Cytron Mortgage Co., Title Guaranty Bldg., 2 story and basement, 42 x 127 ft., brick, concrete, stone and tile, 9th St., to A. H. Steil Constr. Co., 813 Chestnut St. Archts. est. $150,000.

Mo., St. Louis—Bank and Office—Security Natl. Bank, 310 North 8th St., altering and remodeling 6 story and basement bank and office building, for enlarged banking quarters, etc., 8th St., to Wimmer Constr. Co., Victoria Bldg.

Mo., St. Louis—Office and Store—F. J. and T. P. Saum, 713½ Chestnut St., will build 2 and 3 story and basement, brick, concrete and terra cotta, Grand St. and Franklin Ave., by day labor. 150,000. Private plans.

Tex., San Antonio—Hotel—Odd Fellows Lodge, c/o Crockett Hotel, 5 story and part basement, 48 x 72 ft., rein.-con., brick and stone addition, plain foundation, Crockett and Nacogdoches Sts., to W. C. Thrailkill, Moore Bldg., $159,025. Noted Jan. 8.

Okla., Muskogee — Temple — Masonic Building Assn., general contract 2 story and basement, 120 x 132 ft., stone, to Dougherty & Nichols Constr. Co., 416 Equity Bldg., 202,785. Noted Mar. 5.

Wash., Everett—Office—C. Williams and W. R. Svensson, 6 story and basement, 48 x 120 ft., brick and terra cotta, to Everett Building Co., Everett, $150,000.

Wash., Longview — Hospital — Directors Longview Memorial Hospital, 4 story and basement, 42 x 175 ft., masonry and steel hospital, incl. detached 1 story power house, Douglas St. and Oregon Way., to J. E. Bonnell & Son, 827 North Tacoma St., Tacoma. Archts. est. $300,000. Noted Jan. 15.

Wash., Seattle—Apartment—Owner, Horton Bldg., 6 story and basement, 60 x 104 ft., rein.-con. and timber, Pine and Boren Aves., to D. Nygren, Dexter-Horton Bldg. Archts. est. $155,000.

Ore., Portland—Hospital—City, general contract 5 story and tower, 94 x 129 ft., rein.-con., plain foundation, Portland Heights, to T. Muir, Henry Bldg., $157,353; plumbing, to J. F. Shea, 6 North 2nd St., $25,511; heating and ventilating, to Alaska Plumbing & Heating Co., 363 East Morrison St., $29,516.

Ore., Portland—School—Dist. 1, general contract 3 story and basement, 100 x 200 ft. school, Ainsworth St. and Interstate Ave., to Parker & Bamfield, 62 East 3rd St., $187,900; heating and ventilating, to Rushlight-Hastorff-Lord, Inc., 371 Hawthorne St., $38,800. Archts. est. $242,000.

Calif., Indio—Hotel—C. B. Stanford, 1808 West Main St., Alhambra, 2 story and basement, approximately 50 x 285 ft., brick hotel, to D. R. Stanford, 1808 West Main St.

Calif., Long Beach—Apartment—D. B. Carlin, 359 East 4th St., 4 story and basement, 90 x 115 ft., rein.-con., East 1st St., to C. A. Reed & Son, 359 East 9th St., $153,500.

Calif., Los Angeles—Hospital—California Lutheran Hospital Assn., 1414 South Hope St., general contract, 3 story, 100 x 250 ft., concrete, plain foundation. Hope St., near 15th St., to Los Angeles Planing Mill Co., 1815 Industrial St., $1,030,000. Noted Feb. 5.

Calif., Los Angeles — Store, Office and Theatre — Figueroa & Santa Barbara Realty Co., c/o W. S. Hebbard, archt., 534 I. W. Hellman Bldg., 1 and 3 story, 90 x 145 ft., rein.-con. and brick, Figueroa St. and Santa Barbara Ave., to Winter Constr. Co., 2400 West 7th St., approximately $200,000.

Calif., Los Angeles—Theatre—A. McSwain and associates, Los Angeles, 2 story, 114 x 150 ft., concrete, plain foundation, to Reed & Ritchie, 163 South Pacific Blvd., Huntington Park, $150,000. West Coast Theatres, Inc., Knickerbocker Bldg., lessee.

Calif., Los Angeles—Warehouse—Davies Warehouse Co., 413 East 2nd St., 4 story and part basement, 135 x 175 ft., rein.-con.,

Buildings—Commercial (Continued)

2nd St. and Central Ave., to W. E. Warne, Marsh - Strong Bldg., approximately $175,000.

Calif., Oakland — Apartment — E. Smith, 1636 Franklin St., 3 story and basement, brick, Foothill Blvd., to California Builders, 1636 Franklin St., $155,000.

Calif., Pasadena — High School — Bd. Educ., general contract Washington Junior High School, 2 story, brick, to W. T. Loesch, 110 North Euclid Ave., $139,500. Noted Mar. 5.

Calif., San Francisco—Apartment—Stock & Jose, c/o Baumann & Jose, archts., 251 Kearny St., will build 6 story and basement, brick and steel, Octavia and Sacramento Sts., by day labor. $165,000.

Calif., San Francisco—Apartment—Two Thousand One Hundred Ten Pacific Ave., Inc., 12 story and basement, rein.-con., Pacific Ave., to Bos & Quandt, Humboldt Bank Bldg. To exceed $300,000.

Calif., San Francisco — Exchange — Pacific Telephone & Telegraph Co., 333 Grant Ave., 4 story and basement, fireproof annex, Capp St., to Monson Bros., 251 Kearny St., approximately $153,000.

Calif., Wilmington — Theatre—A. M. Lupie, Canal and I Sts., 150 x 150 ft., rein.-con., Canal and I Sts., to L. A. Smith, Lily Fletcher Bldg., Los Angeles, $150,000.

Federal Government Work

BIDS DESIRED

Mass., Fort Warren — Substation Equipment—Mar. 22, by Quartermaster Boston Harbor, installing and alternating current substation equipment, here, and at Ft. Strong (Boston P. O.).

N. Y., Fort Wright (Fishers Island P. O.)—Repairs—Mar. 31, at office Quartermaster, repairs to wharf and rack; adv. E. N.-R. Mar. 12.

N. Y., New York—Dredging—Apr. 9, by U. S. Engineer Office, 2nd Dist., Room 616 Army Bldg., dredging and rock removal in New York and New Jersey Channels; adv. E. N.-R. Mar. 12.

Md., Baltimore—Drainage—Mar. 27, by Treas. Dept. at office Supervising Archt., Wash., D. C., separating drainage systems at U. S. Marine Hospital, here; adv. E. N.-R. Mar. 12.

D. C., Wash.—Power Cable, Chain Blocks, etc.—Mar. 17, at office A. L. Flint, Genl. purch. officer of Panama Canal, Wash., D. C., furnishing power cable, chain blocks, snatch blocks, twist drills, monel metal, brass, etc., by steamer free of all charges, on dock at either Cristobal (Atlantic port) or Balboa (Pacific port), Canal Zone, Isthmus of Panama.

Va., Norfolk—Alterations—Spec. 5074—Apr. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to Building 36, at Naval Hospital, Noted Mar. 5.

La., Thibodaux—Post Office—Mar. 30, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing post office, here; adv. E. N.-R. Mar. 12.

Tenn., Memphis—Earthwork—Mar. 31, by Mississippi River Comn., 1st and 2nd Dists., 1006 McCall Bldg., 6,000,000 cu.yd. earthwork in Upper and Lower St. Francis, Reelfoot and White River Levee Dists.; adv. E. N.-R. Mar. 12.

Ky., Louisville — Cement — Apr. 10, by U. S. Engineer Office, P. O. Box 72, 160,000 bbl. Portland cement for Dams 45, 46, 49, 50 and 52, Ohio River; adv. E. N.-R. Mar. 12.

Cuba, Guantanamo—Bay—Water Tank—Apr. 15, by Bureau Yards & Docks, Navy Dept., Wash., D. C., erecting steel water tank. Noted Mar. 5.

BIDS RECEIVED

Mont., Great Falls — Earthwork, etc. — U. S. Bureau Reclamation, Browning, Feb. 12, earthwork and concrete piers for St. Marys River and Halls Coulee crossing on St. Marys Canal, Blackfoot Indian Irrigation Project, from V. Dostert, Nashua, $19,293.

Mo., Jefferson Barracks (Ind. Br. St. Louis)—Storehouse—U. S. Veterans Bureau, Room 791, Arlington Bldg., Wash., D. C., storehouse, here, from W. MacDonald Constr. Co., Odd Fellows Bldg., St. Louis, $26,394 (90 days). Noted Feb. 5.

Calif., San Diego—Paving, etc.—Spec. 5071—Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete roads, curbs, etc., here, from D. H. Ryan, San Diego, (1) $37,058, from Pioneer Truck Co., 964 3rd St. (2) $16,950, from R. E. Burgund, (3) $16,600. Noted Feb. 5.

CONTRACTS AWARDED

Mass., Boston — Seawall and Breakwater—Treas. Dept. at office Supervising Archt., Wash., D. C., rebuilding seawall, breakwater, etc. to Rendle Corp., 271 Marginal St., Chelsea, $32,328. Noted Feb. 19.

Pa., Pittsburgh — Deck Barges — U. S. Engineer Office, Wash., D. C., three 80 ft. steel deck barges to Amer. Bridge Co., Frick Bldg., $34,235. Noted Jan. 22.

Del., Wilmington—Dredging—U. S. Engineer Office, War Dept., Wash., D. C., dredging in Tuckerton and Absecon Creeks and Toms River, N. J., to Delaware Dredging Co., 139 S. 3rd St., Phila. Pa. $26,932. Noted Jan. 22.

Del., Wilmington — Stone — U. S. Engineer Office, War Dept., Wash., D. C., stone for jetty construction at Delaware River, to Standard Lime & Stone Co. Equitable Bldg., Baltimore, Md., $56,-000.

Md., Baltimore—Dredging—U. S. Engineer Office, Wash., D. C., 1,750,000 cu.yd. removal from cut-off channel and cut-off Craighill angle, sections of Baltimore ship channels, here, to Arundel Corp., Pier 2, Pratt St., $0.1139 per cu.yd. Noted Mar. 5.

Va., Quantico — Pier — Spec. 5098 — Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to pier to Potomac Constr. Co., 229 9th St. N. E. Wash., D. C., $3,456 (60 days).

Ala., Andalusia — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story post office, to W. L. Frazier, 16 River Falls St., $38,305 (10 months).

Tex., Galveston — Dredging — U. S. Engineer Office, War Dept., Wash., D. C., redredging Turning Basin, Port Aransas, to J. Jacobson, 2311½ C St., $21,576.

Unclassified

PROPOSED WORK

Coaling Station, etc.—Maine—Bangor & Aroostook R.R. Co., Graham Bldg., Bangor, plans coaling station, incl. sheds, approaches, loading facilities and 900 ft. pier at Stockton Springs or Searsport. $500,000. M. Bupree, Houlton, ch. engr.

Playground—Dorchester (Boston P. O.), Mass.—City of Boston, Street Laying Out Dept., plans developing land for school playground on Oak Ave., Claremont and Delmont Sts., here. $25,000. J. F. Sullivan, secy.

Playground—Hudson, Mass.—Bd. Selectmen, F. P. Glazier, chn., plans devleoping Riverside Park and nearby land and tracts on Morrison and Cherry Sts. for playground. $25,000. Engineer not selected.

Park Improvement — Medford, Mass. — Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, plans to purchase about 265 acres in southerly section of Middlesex Fells, here, for park and highway improvement. $160,000. J. R. Rablin, c/o owner, engr.

Playground — Roxbury (Boston P. O.), Mass.—City of Boston, Street Laying Out Dept., plans developing land for school playground at Glen Rd. and Day St., here. $30,000. J. F. Sullivan, secy.

Athletic Field — Scituate, Mass. — Dept. Pub. Wks., plans athletic field at Civic Center. $30,000. Engineer not selected.

Sea Wall—South Boston (Boston P. O.), **Mass.**—City of Boston, Park Dept., plans sea wall along Strandway Beach from Columbus Park to Mosquito Fleet Yacht Club, here. $25,000.

Coal Handling Plant—Springfield, Mass.—Home City Fuel Co., 288 Main St., having sketches made by G. P. Carver Inc., 201 Franklin St., Boston, coal handling, engrs. and archts plant. $40,000.

Coal Trestle, etc.—Middletown, Conn.—State Hospital for Insane plans coal trestle and coal handling equipment. $45,000.

Grain Elevator—Buffalo, N. Y.—General Milling Corp., 18 Letchworth St., plans reconstructing elevator recently destroyed by fire. To exceed $150,900.

Park and Golf Courses—Bartow, Fla.—Plans park and golf course. $50,000. R. B. Huffaker, mayor.

Athletic Field — Knoxville, Tenn. — See "Buildings—Commercial."

Power Lines — Nashville, Tenn. — Nashville Railway & Light Co., Watkins Bldg., will expend during 1925, approximately $1,000,000 for power line extensions, replacing street railway tracks, etc.

Telephone Line Extensions, etc.—Nashville, Tenn.—Cumberland Telephone & Telegraph Co., 136 3rd Ave. N., D. F. Turnbull, mgr., purchased properties of Sun Telephone & Telegraph Co. and Stantonville Telephone Co. and will improve same by addition of new lines, equipment, switchboards stations, etc. $175,000.

Gas Mains, Equipment, etc.—Knoxville, Tenn.—Knoxville Gas Co., 715 South Gay St., plans 3 mi. gas mains, meters, tramway, equipment, etc. for improving plant. $60,000. A. W. Young, genl. mgr.

Safety Zones — Detroit, Mich. — Supt. Pub. Wks., City Hall, made plans 744 protected and lighted safety zones on Woodward, Jefferson, Grand River, Michigan, East and West Warren Aves., Forest Ave. W. and Fort St. W. $483,600. G. Jerome, city engr.

Asphalt Plant—Milwaukee, Wis.—R. E. Stoelting, comr. Pub. Wks., soon takes bids asphalt plant for street repair work. $40,000.

Grain Elevator — Council Bluffs, Ia. — Chicago, Rock Island & Pacific R.R. Co., 179 West Jackson Blvd., Chicago, Ill., plans rein.-con. grain elevator, here. $200,000. C. A. Morse, ch. engr.

Subways — Arkansas City, Kan. — Plans election $175,000 bonds for subways under the Atchison, Topeka & Santa Fe R.R. tracks, Madison and Chester Aves. G. R. McIntosh, mayor.

Street Lighting System—Geneva, Neb.—Election Apr. 7, $40,000 bonds for street lighting system.

Steel Pipeline—Texas—Houston Oil Co., Scanlon Bldg., Houston, soon takes bids 250 mi. steel pipe line with pumping equipment, etc., from Live Oak fields to Houston. $7,000,000.

Seawall—Aransas Pass, Tex.—Election Mar. 21, $100,000 bonds constructing seawall. J. A. Zimmerman, mayor.

Park Improvements — Houston, Tex. — Election Apr. 13, $300,000 bonds general park improvements. O. F. Holcombe, mayor.

Transmission Line—Oklahoma—City of Butler voted $10,000 bonds for transmission line from Butler to Hammon, and distribution system in Butler. J. D. Bomford, Elk City, engr. Noted Feb. 19.

Lighting System — Leedy, Okla. — Voted $25,000 bonds for electric lighting system.

Gas System — Mangum, Okla. — City making preliminary plans new gas system, securing gas from Sayre. $70,000. J. T. Tomme Mangum, engr.

Aerial Tramway — Arden, Nev. — Blue Diamond Co., 2200 East 16th St., Los Angeles, Calif., plans 3,000 ft. aerial tramway in connection with gypsum plant.

Power Development — Washington — Washington Irrigation & Development Co. (a holding for General Electric Co., 120 Bway., New York City) plans $100,000,000 Priest Rapids hydro-electric power project on Columbia River, 200 mi. east of Seattle, to develop 400,000 hp. at all stages of Columbia River, which will be spanned by $28,000,000 dam, 2½ mi. long, 90 ft. high, to create power reservoir.

Power Development — Yale, Wash. — L. T. Merwin, genl. mgr. Northwestern Electric Co., Pittock Blk., Portland, Ore., takes bids about May 1, developing 40,000 hp. on Lewis River near here. Will spend $1,500,000 during 1925. Total $5,-000,000. Private plans.

Tunnels—California—See "Railways."

Subway — Martinez, Calif. — Supervs. Contra Costa Co., received no bids Mar. 3, constructing Christie Crossing subway, steel and concrete, at Santa Fe R.R. tracks in Franklin Corners. Noted Feb. 19.

Park Improvements — Santa Barbara, Calif. — Voted $125,000 bonds "Carillo" Park improvements. G. Morrison, city engr.

Harbor Improvements, etc.—Canada—Dominion Government, Ottawa, Ont., plans harbor improvements at Port Arthur and Fort William, Ont. $129,000, Toronto, Ont. $100,000, Champlain Dock, Quebec, Que. $68,000, and St. John, N. B. $150,000; breakwater at Gullivers Cove, N. S. $15,-000; reconstructing breakwater at Port Greville, N. S. $20,000; harbor improvements at Parrsboro, N. S. $39,000, Sheet Harbor, N. S. $20,000; wharf at Windsor $24,000; harbor at New London, P. E. I. $20,000; breakwater repairs at Souris, P. E. I. $36,500; harbor work at Escuminac, N. B. $50,000, wharf repairs at Mills Point, N. B. $25,000, Shediac, N. B. $17,000; wharves at Bagotville, Que. $22,000, Baie St. Paul $25,000, Desjardins $16,000, Father Point $23,000, Grandines $37,000, Lachine $18,000, Point aux Esquimaux $19,300, Pointe au Pic $15,000, St. Antoine de Tilly $20,000, St. Petronville $15,000, and Sorel $75,000; shed on wharf at Trois Rivieres $45,000, all foregoing in Quebec; piers, etc.,

Unclassified (Continued)

Burlington Channel, Ont. $40,000, Goderich $150,000, Kincardine $25,000, Midland $15,000, Oshawa $100,000, Pelee Island $28,000, Port Burwell $97,100, Port Maitland $195,000, Port Stanley $90,000, and Thessalon $16,000, all foregoing in Ontario; improvements on Fraser River, B. C. $60,000; telegraph and telephone lines in Vancouver Island Dist., and renewal of submarine cable between Denman and Hornby Islands, $2,000, shifting lines, renewals $10,500, and installing metallic circuit in Yank-Creston line $8,000.

Monument — Three Rivers, Que. — Committee, L. P. Normand, pres., plans Lafleche Monument, 26 ft. high. $30,000. E. Soney, 253 Bleury St., Montreal, archt. and sculptor.

BIDS DESIRED

Station Finish—New York—Mar. 20, by Bd. Transportation, 49 Lafayette St., New York City, station finish work for Vernon-Jackson Aves. station on Queensboro Subway Rapid Transit R.R. in Queens Boro., and for Montrose Ave. Station of 14th St.-Eastern Rapid Transit R.R., Brooklyn Boro. J. H. Delaney, chn.

Heating and Ventilating, etc. — Ithaca, N. Y.—Mar. 31, by Cornell University, heating, ventilating and sanitary works at New York State College of Agriculture. S. W. Jones, Albany, state archt.; adv. E. N.-R. Mar. 12.

Fire Protection—Newark, N. Y.—Apr. 16, by Superintendent Purchase, Capitol, Albany, sanitary work, water supply, etc., for fire protection at Newark State School for Mental Defectives, here. S. W. Jones, state archt.; adv. E. N.-R. Mar. 12.

Fire Protection—Utica, N. Y.—Mar. 25, by State Hospital Comn., Capitol, Albany, construction, fire protection, etc., for Utica State Hospital, here. S. W. Jones, state archt.; adv. E. N.-R. Mar. 12.

Storage Tank — Topeka, Kan. — Homer & Wyatt, engrs., 300 Bd. Trade Bldg., Kansas City, Mo., taking bids eight rein.-con. storage tanks, 90 ft. high, 18 ft. diam., 180,000 bu. capacity, here for Topeka Flour Mills Co., 126 North Jefferson St.

Guard Rail—South Dakota—Mar. 24, by State Hy. Comn., Pierre, 17,160 lin.ft. wood or wire limb guard rail in Hand, Brookings-Moody, Butte-Lawrence, Davison and Pennington Counties.

Fish Hatchery—Heavener, Okla.—State Bd. of Affairs, Capitol Bldg., Oklahoma City, taking bids 40 fish ponds, gravity supply lines, small tenement houses, etc., 65,000 cu.yd. excav., 75,000 cu.yd. earth fill, 118 cu.yd. mass concrete, 900 ft. 12 in. tile, etc. $40,000 funds appropriated. J. M. Page, Capitol Bldg., Oklahoma City, engr.

Pier Extension—San Francisco, Calif.—State Bd. Harbor Commissioners, Ferry Bldg., taking bids 200 ft. creosoted pile, shed and 646 ft. track extensions on north and south sides of Pier 40. Owner furnishes creosoted piles, steel rails, fittings and cement. F. G. White, Ferry Bldg., ch. engr.

BIDS RECEIVED

Plumbing, etc.—Phila., Pa.—See "Buildings—Commercial."

Subway—Nevada, Mo.—City, Missouri Pacific Ry., St. Louis and Liberty Sts., Kansas City, and Missouri, Kansas & Texas Ry. Co., 713 Walnut St., Kansas City, 900 ft. rein.-con. and steel subway, from T. H. Johnson, Sedalia, $94,915. Noted June 26.

Ornamental Street Lighting System — Glendale, Calif.—See "Streets and Roads."

CONTRACTS AWARDED

Piers—New Haven, Conn.—Beach Front Amusement Co., Beach St., Savin Rock, N. H., 2 piers, one 1,420 ft. long, 44 ft. wide, and other 420 ft. long, 100 ft. wide, Beach St., to Travers Eng. Co., Beaver Falls, Pa. Engrs. est. $125,000.

Athletic Field—Long Island City, N. Y.—Park Bd., 5th Ave. and 64th St., New York City, athletic field in Forest Park, here, to L. DeMinna, 2366 Lorrilard Pl., New York City, $92,683. Noted Feb. 26.

Sanitary Work, etc.—New York, N. Y.—State Hospital Comn., Capitol, Albany, sanitary work and piping in Manhattan State Hospital, Wards Island, to S. L. Snyder, 260 West 41st St., $52,800.

Boring—Phila., Pa. — Core borings in Schuylkill River for Penrose Ave. and University Bridges, to Ridpath & Potter Co., 22nd and Cambria Sts., $12,420. Noted Jan. 15.

Shelter House, etc.—Evansville, Ind.—Bd. Park Comrs., shelter house, locker building, and club house brick and rein.-con., for municipal parks, general contract, to Scarborough-Davies Constr. Co., Natl. Bank Bldg., approximately $45,700.

Subway—Nevada, Mo. — City, Missouri Pacific Ry., St. Louis and Liberty Sts., Kansas City, and Missouri, Kansas & Texas Ry., 713 Walnut St., Kansas City, 900 ft. rein.-con. and steel subway, to T. H. Johnson, Sedalia, $94,915. Noted June 26.

Heating, etc.—North Kansas City, Mo.—See "Buildings-Commercial."

Swimming Pool — St. Louis, Mo. — See "Buildings—Commercial."

Grain Elevator, etc.—Houston, Tex.—Owner, c/o B. E. Calwell, secy., grain elevator and storage bins, rein.-con., 500 bu. capacity, to Jones Hettelsater Constr. Co., 706 Mutual Bldg., Kansas City, Mo., $150,000.

Pier, etc.—Houston, Tex.—See "Railways" under Missouri.

Heating and Ventilating—Portland, Ore.—See "Buildings—Commercial."

Underway—Aptos, Calif.—Supervs. Santa Cruz Co. (Santa Cruz), underway under Southern Pacific R.R. tracks, here, 13,000 cu.yd. roadway, and 2,600 cu.yd. structural excav., 478 ft. 12, 18 and 24 in. corrugated iron pipe culverts, 2,600 lb. reinforcing, etc., to Lord & Bishop, Box 334, Napa, $23,862. Noted Feb. 12.

Dock—Walkerville, Ont.—H. Walker, 50 x 600 ft. rein.-con. dock slab on wood piles with concrete caps, to Detroit River Constr. Co., Walkerville.

Material and Equipment

PROPOSED WORK

Street Roller—Hudson, Mass.—Bd. Selectmen, F. P. Glazier, chn., plans to purchase street roller. $9,000.

Street Sweeper — Melrose, Mass. — Bd. Alderman plans to purchase power driven street sweeper. $7,500 bonds voted.

Trucks—West New Brighton, N. Y.—J. A. Lynch, pres. Richmond Boro, Boro Hall, St. George, rejected bids Feb. 18, auto trucks. Will readvertise. Noted Feb. 12.

Paving Plant—Ventura, Calif.—Ventura Co. plans to purchase paving plant for road repairs.

BIDS DESIRED

Cable, etc.—Boston, Mass.—Mar. 17, by Supply Dept., lead covered cable, also engine, machine and cylinder oils, and grease to various City Depts. F. P. Rock, supt.

Cement—Boston, Mass.—Mar. 19, by Supply Dept., Portland cement as per specifications, to various City Depts. F. P. Rock, supt.

Gravel and Sand, etc.—Boston, Mass.—Mar. 16, by Supply Dept., bank gravel, sand and crushed stone, to various City Depts., until Dec. 31. F. P. Rock, supt.

Patching, etc.—Boston, Mass.—Mar. 18, by Supply Dept., 500 tons Taric patching compound to various City Depts.; 500 tons road asphalt for construction, deliveries on streets as designated by Commissioner; and 500 tons emulsified asphalt for cold patching. F. P. Rock, supt.

Roofing Materials, etc.—New York, N. Y.—Mar. 16, by J. E. Bowe, comr. Purchase, Municipal Bldg., roofing, highway and building materials.

Asphaltic Cement, etc.—St. George, N. Y.—Mar. 18, by J. A. Lynch, pres. Richmond Boro, Boro Hall, 365 tons asphaltic cement, 90,000 gal. bituminous surfacing material, 235,000 gal. asphaltic macadam binder, 950 cu.yd. concrete and paving sand, broken stone and 2,100 cu.yd. trap rock screenings, pea gravel, etc.

Snow Plows — Delaware — Mar. 30, by State Hy. Dept., Dover, 3 snow plows; adv. E. N.-R. Mar. 12.

Segment Block Pipe, etc.—Richmond, Va.—See "Sewers."

Tandem Roller—Cincinnati, O.—Mar. 19 at office City Purch. Agt., one tandem roller to Street & Sewer Repair Dept. F. Krug, City Hall, engr.

Gas Crane, etc.—Cleveland, O.—A. K. Hoare, comr. Purchases & Supplies, in market for 1 gas crane, and 1 trailer for division of streets and 2 rotary steam tube dryers for garbage disposal plant.

Loading Machinery — Zanesville, O.—Worstall Bros., in market for heavy loading machinery to equip new yard. F. W. Worstall, purch. agt.

Paving Blocks and Cement—Milwaukee, Wis.—Mar. 17, by D. W. Hoan, chn. Central Bd. Purchases, 14 cars (more or less) 3.5 in. rectangular creosoted wood blocks, 16 lb. treatment, to Dept. Pub. Wks.; also 20,000 bbls. (more or less) Portland cement delivered on job to various departments as ordered, and 10,000 bbls. (more or less) Portland cement to Metropolitan Sewerage Comn., f.o.b. Jones Island, Illinois Steel Co. siding.

Street Flusher and Truck—Wauwatosa, Wis.—Apr. 3, by A. Brigham, secy. Bd. Pub. Wks., 1 street sweeper or flusher, and 1 motor truck for hauling garbage and ashes. Noted Feb. 5.

Street Sprinkler—West Milwaukee (Milwaukee P. O.), **Wis.**—Mar. 16, by S. Brew, village clk., motor driven or horse drawn street sprinkler.

Street Roller—Sioux City, Ia.—Western Asphalt Paving Corp., in market for 3 wheel 10 ton street roller.

Tractor—Minneapolis, Minn.—Mar. 17, by G. S. Gram, city purch. agt., one 10 ton caterpillar type tractor, and one combined scarifier-grader of not less than 9,000 lbs. N. W. Elsberg, city engr.

Graders—Montevideo, Minn.—Mar. 24, by A. E. Swenson, aud. Chippewa Co., eight 2 horse patrol graders, 6 or 8 ft. blades.

Road Oil—St. Paul, Minn.—Mar. 17 (extended date), by H. W. Austin, city purch. agt., 500,000 gal. road oil for Dept. Pub. Wks. G. M. Shepard, city engr. Noted Mar. 5.

Boom Back Filler—Kansas City, Mo.—Hackenberry Constr. Co., 709 Railway Exch. Bldg., taking bids boom back filler.

Shell—Houston, Tex.—C. H. Byan, judge Harris Co., taking bids 25,000 yd. shell, f.o.b. here. $25,000. Howe & Wise, 1st Natl. Bank, engrs.

Pump and Engine—Chino, Calif.—Soper Bros. in market for 20- to 24-in. centrifugal pump, one 100-150-200 hp. and one 200 hp. or two 100 to 125 hp. steam engines, all first class condition, prices quoted f.o.b. cars or boat San Francisco.

Road Oil — Riverside, Calif. — Riverside Co., c/o W. L. Carlson, purch. agt., in market for 75,000 gal. road oil having 55% asphalt content.

BIDS RECEIVED

Tar—Minneapolis, Minn.—F. S. Gram, city purch. agt., 500,000 gal. refined tar for Park Bd., from Barrett Co., 1 19th Ave. S., $0.1095 to $0.1495 per gal. Noted Feb. 19.

CONTRACTS AWARDED

Coal Tar Road Binding Material, etc.—Cincinnati, O.—Director Pub. Serv., City Hall, 1,250 tons coal tar road binding material to Div. Street Repairs, to Byrnes & Conway Co., Bodman Bldg., $42,438, engrs. est. $43,750; 400 tons coal tar pitch filler, to Barrett Co., 517 Carr St., $11,960, engrs. est. $12,000. Noted Feb. 12.

Gravel and Sand—Racine, Wis.—Racine Co., 7,000 cu.yd. gravel and 3,500 cu.yd. sand for road work, to J. Donahue & Sons, 318 Bradford Ave., Milwaukee, $5,250.

Road Oil, etc.—Wausau, Wis.—Bd. Pub. Wks., 50,000 gal. tar product road oil, to Amer. Tar Products Co., 208 South La Salle St., Chicago, Ill., at $0.1036 per gal.; 1 car calcium chloride, to Dow Chemical Co., Midland, Mich., $30 per ton; and 1 car load calcium chloride to O'Neil Oil & Paint Co., 297 East Water St., Milwaukee, at $33.30 per ton. Noted Feb. 26.

Road Tar and Asphalt—Whitehall, Wis.—Trempealeau Co., 40,000 gal. road tar, to F. J. Lewis Co., 2513 South Robey St., Chicago, Ill., at $0.103 per gal.; 10,000 gal. road asphalt to Standard Oil Co., 68 Wisconsin St., Milwaukee, $0.0675; 20,000 gal. road asphalt, to Camden Petroleum Co., 232 South Clark St., Chicago, Ill., $0.105.

Cast Iron Pipe — Duluth, Minn. — City, 2,000 tons c.i. pipe for Water & Light Dept., to J. B. Clow & Sons, 534 South Franklin St., Chicago, Ill.

Cement, etc.—Minneapolis, Minn.—F. S. Gram, city purch. agt., to New Orleans Refining Co., Maison Blanche Annex, New Orleans, La., 2,000 tons asphalt cement $26.10 per ton; to Barrett Co., 1 19th Ave. S., 600 tons pitch, $23.02 per ton, and 50,000 gal. refined tar, range of prices. Noted Feb. 19.

Oil Distributor—Minneapolis, Minn.—F. S. Gram, city purch. agt., one oil distributor mounted on truck, to Etnyre Co., Oregon, Ill., $3,575. Noted Feb. 19.

Road Oil, etc.—Minneapolis, Minn.—F. S. Gram, city purch. agt., 2,000,000 gal. road oil, to W. H. Barber Co., 1501 Franklin Ave. S. E., $0.064 per gal. f.o.b. Minneapolis; 11,000 tons trap rock, to Trap Rock Co., Bway. and K Sts., $1.25 per ton for [illegible] in., $2.55 per ton for ¾ to 1 in. and $2.[illegible] on for ½ to ¾ in.; 5,000,000 vitr. paving brick, to Purlington Paving Brick Co., Galesburg, Ill., $39.95 per M; 20,000 sq.yd. 3½ in. creosoted wood blocks, to Indiana Wood Preserving Co., 111 West Washington St., Chicago, Ill., $2.25 per sq. yd., f.o.b. Minneapolis. Noted Mar. 5.

OFFICIAL PROPOSALS

Bids: March 26.

Roads and Bridges

STATE HIGHWAY COMMISSION
Richmond, Va., March 5, 1925.

Sealed bids will be received at the office of the State Highway Commission, State Office Building, Capitol Square, Richmond, Va., until 10:30 a. m. Thursday, March 26th, 1925, for the construction of:

1.—RT. 33—PROJ. F118A: 0.93 Mi. So. Roanoke—6.16 Mi. So. Roanoke, in Roanoke County. Station 299+35 to 330+35 only. 0.586 of a mile of 18' x 8" Bit. Mac. Surfacing.

2.—RT. 33—PROJ. F118B: 6.16 Mi. So. Roanoke—10.13 Mi. So. Roanoke. Station 330+35 to 533+00, except bet. Sta. 488+95 and Sta. 513. 3.244 miles of 18' x 18" Bit. Mac. surfacing, in Roanoke and Franklin Counties.

3.—RT. 33—PROJ. F118C: 10.13 Mi. So. Roanoke—14.51 Mi. So. of Roanoke, Station 533+00 to Sta. 764, in Franklin County. 4.376 Mi. of 18' x 8" Bit. Mac. Surfacing.

4.—RT. 35—PROJ. F145D: 1.42 Mi. No. Homeville — 3.78 Mi. No. Homeville, in Sussex County. Station 462+00 to Sta. 587+00. 2.366 Miles of 18' x 8"-6"-8" concrete. Approx. 6 Ac. Cl. & Grub., 10,192 Cu.Yds. Excav., 5,472 Cu.Yds. Borrow, 280 Lin.Ft. Pipe, 45 Cu.Yds. "A" Conc., 12 Cu.Yds. "B" Conc., 2,989 lbs. steel, 24,982 Sq.Yds. Conc. Surf., 464 Lin.Ft. Gd. Rail, 26 R/W Monuments.

INCLUSIVE OF BRIDGE at Mevlett's Mill, 54'-3½" long. Roadway: 24'. Approx. 73 Cu.Yds. "A" Conc., 69 Cu.Yds. "B" Conc., 13,300 lbs. steel, 560 Lin.Ft. Piles.

5.—RT. 35—PROJ. F145F: 0.27 Mi. No. Homeville—1.42 Mi. No. Homeville, in Sussex County. Station 401+40 to Station 587+00. Approx. 1.35 Ac. Cl. & Grub., 3,097 Cu.Yds. Uncl. Excav., 306 Cu.Yds. Borrow, 140 Lin.Ft. Pipe, 6 Cu.Yds. "B" Conc., 12,120 Sq.Yds. Conc. Pavement, 14 R/W Monuments.

6.—RT. 33—PROJ. F169A: 3.17 Mi. So. Buchanan—7.25 Mi. So. Buchanan in Botetourt Co. 4.089 Mi. of 18' x 8" Bit. Mac. Approx. 21 Ac. Cl. & Grub., 26,760 Cu.Yds. Excav., 6,083 Cu.Yds. Borrow, 710 Lin.Ft. Pipe, 114 Cu.Yds. "A" Conc., 618 Cu.Yds. "B" Conc., 43,811 Sq.Yds. surfacing 3,008 Lin.Ft. Gd. Rail, 220 Cu.Yds. Dry Rubble Masonry. 86 R/W Monuments INCLUSIVE OF BRIDGE, 6.8 Mi. East of Troutville, Sta. 432. Length: 42'-11". Roadway: 24'. 7,570 lbs. steel, 68 Cu.Yds. "A" Conc., 59 Cu.Yds. "B" Conc., 181 Cu.Yds. Cement rubble masonry.

7.—RT. 14—PROJ. F259A: Gretna—North, in Pittsylvania County 3 Mi. 22' x 0"-10"-0" Soil Rd. Approx. 6.5 Ac. Cl. & Grub., 17,000 Cu.Yds. Excav., 1300 Cu.Yds. Borrow, 53 Cu.Yds. "A" Conc., 61 Cu.Yds. "B" Conc., 3,649 lbs., steel, 485 Lin.Ft. Pipe.

8.—RT. 20—PROJ. S323C: Sugar Hill—Intersection soil Rd. near Phoenix, in Charlotte County. 7.111 Mi. of 22' x 0"-10"-0" Soil Rd. Approx. 20 Ac. Cl. & Grub., 105,657 Cu.Yds. Excav., 235 Cu.Yds. Borrow, 1960 Lin.Ft. Pipe, 475 Cu.Yds. "A" Conc., 78 Cu.Yds. "B" Conc., 44,359 lbs. reinf. Steel, 9384 Lin.Ft. Gd. Rail, 126 R/W Monuments.

INCLUSIVE OF BRIDGE (concrete) over Turnip Creek, 65' long, Roadway: 24'. 84 Cu.Yds. "A" Conc., 153 Cu.Yds. "B" Conc., 16,450 lbs. steel.

9.—RT. 31—PROJ. F347: 3.80 Mi. No. Stafford C. H.—Stafford C. H. in Stafford County. 3.801 Mi. of 18' x 8"-6"-8" Conc. Approx. 10.6 Ac. Cl. & Grub., 38,025 Cu.Yds. Excav., 175 Cu.Yds. Borrow, 1394 Lin.Ft. Pipe 61 Cu.Yds. "A" Conc. 50 Cu.Yds. "B" Conc., 4300 lbs. reinf. steel.—40,596 Sq.Yds. Conc. Paymt., 1200 Lin.Ft. Gd. Rail, 68 R/W Monuments.

INCLUSIVE OF BRIDGE (Concrete) over Austins Run, 43' long, 24' Roadway. 65 Cu.Yds. "A" Conc., 187 Cu.Yds. "B" Conc., 12,040 lbs., steel.

10.—RT. 24—PROJ. S385; Bridge and approaches over Meherrin River at Emporia in Greenesville Co. Length: 288'-9". Width of roadway; 24' and two 5' sidewalks. One 110' reinf. conc. arch span and 5-30' reinf. conc. beam spans. Approx. 1083 Cu.Yds. "A" Conc., 188,500 lbs. reinf. steel, 8,600 Cu.Yds. Excav. APPROACHES: 0.17 Mile of 3" sheet asphalt top on 5" concrete base. Roadway: 18'-24'. 3510 Cu.Yds. Excav., 5589 Cu.Yds. Borrow, 108 Lin.Ft. Pipe, 928 Lin.Ft. Gd. Rail, 3.2 Cu.Yds. "B" Conc., 1253 Sq.Yds. Surfacing, 1217 Lin.Ft. curb and gutter, 676 Sq.Yds. Concrete sidewalks.

11.—RT. 17—PROJ. S391: 0.5 Mi. W. Goshen—6.79 Mi. W. Goshen in Rockbridge County & Bath County. 6.318 Mi. 24'-26' Gr. & Drainage only. Approx. 17 Ac. Clear. & Grub., 67,455 Cu.Yds. Excav., 4,240 Cu.Yds. borrow, 2198 Lin.Ft. Pipe, 55 Cu.Yds. "A" Conc., 79 Cu.Yds. "B" Conc., 3180 lbs. steel, 15,371 Lin.Ft. Gd. Rail, 160 R/W Monuments, 1524 Cu.Yds. Dry Rubble Masonry.

INCLUSIVE OF BRIDGE OVER MILL CREEK, 82'-6" long. 24' Roadway. 98 Cu.Yds. "A" Conc., 104 Cu.Yds. "B" Conc., 19,890 Lbs. steel.

Proposal guaranty to be cert. check, cashier's check, or cert. of deposit, to the amount of $500 for bids less than $100,000 and $1,000 for bids more than $100,000. Proposal bonds 20% in excess of the above amount may be used.

Plans and specifications are on file at the Richmond office, State Highway Commission and at the offices of the following Dist. Engrs. Projs. 118 A, B, & C, and 169A, Salem, Va., 145D, F and 385, Suffolk, Va., 259A Lynchburg, Va., 323C Richmond, Va., 347 Fredericksburg, Va., and 391 Staunton, Va.

Additional plans for bidders on the above projects may be obtained upon application to the State Highway Dept., upon receipt of $5.00 payable to H. G. Shirley, $2.50 of which will be refunded if plans are returned in good condition within two weeks after bids are opened.

Engineers will be at the following places to show prospective bidders over the work:

Projs. 118A, B. & C: 2 p. m. Thurs. March 12th, Roanoke Hotel, Roanoke, Va. Projs. 145D & F: 12:30 p. m. Wed. March 18th, Homeville, Va. 169A — 10 a. m. Thurs. March 12th, at Buchanan, Va. Proj. 11 a. m. Tues. March 17th, at Gretna, Va. Proj. 323C 10:30 a. m. Wed. March 18, Brookneal Hotel, Brookneal, Va. Proj. 347—10:30 a. m. Tues. March 17th, Stafford C. H., Va. Proj. 385—11 a. m. Thurs. March 19th, Hotel Emporia, Emporia, Va. Proj. 391 2:15 p. m. Friday, March 13th, C. & O. R.R. Station, Goshen, Va.

The State Highway Commission reserves the right to reject any or all bids.

C. S. MULLEN, Chief Engineer,
H. G. SHIRLEY, Chairman.

Bids: April 7.

Holland Tunnel Work

CONTRACT NO. 7
New York, N. Y.

Sealed bids will be received by the New York State Bridge and Tunnel Commission and New Jersey Interstate Bridge and Tunnel Commission at the office of the Commissions, Room 3004, Woolworth Building, New York City, until 2:00 o'clock p.m. (Eastern Standard Time), Tuesday, April 7th, 1925.

For furnishing and setting white glazed wall tile and enamels, painting the concrete ceiling, furnishings and setting slides and screws, frames and doors and furnishing and erecting hand rail and other items of interior finish of the Holland Tunnel, known as Contract No. 7.

A statement of the quantities of the various items of work and further information are given in the invitation to bid, forming part of the contract. At the above place and time the bids will be publicly opened and read. The award of the contract, if awarded, will be made by the Commissions as soon thereafter as practicable. The Commissions reserve the right to reject any and all bids.

Bonds is the sum of One Hundred Fifty Thousand ($150,000) Dollars each to the State of New York and to the State of New Jersey will be required for the faithful performance of the contract.

No bids will be received or considered unless accompanied by two certified checks upon a National or State Bank or Trust Company, satisfactory to the Commissions and located in New York City or the cities of Newark or Jersey City in the sum of Twenty-five Thousand ($25,000) Dollars each, one payable to the order of the "Comptroller of the State of New York," and the other payable to the order of "The New Jersey Interstate Bridge and Tunnel Commission."

The time allowed for the completion of the work is 16 months after the date of the delivery of the contract.

Books containing forms of invitation to bid, proposals, contract, specifications and bond and contract drawings, etc., can be obtained at the office of the Commissions for the sum of $5.00 per set.

New Jersey Interstate Bridge and Tunnel Commission.
THEODORE BOETTGER, Chairman.

New York State Bridge and Tunnel Commission.
GEORGE R. DYER, Chairman.

Bids: March 17.

Construction of Cross Keys-Williamstown Road, Sect. No. 1

Woodbury, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Gloucester for the construction of Cross Keys-Williamstown Road, Sect. No. 1, in the Township of Monroe, in the County of Gloucester, with a concrete pavement; estimated amount of concrete pavement required is Forty thousand one hundred fifty-eight (40,158) square yards, and opened and read in public at Court House, Woodbury, N. J., on Tuesday, March 17th, 1925, at 11.00 o'clock a.m.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by William C. Cattell, County Engineer, have been filed in the office of the said engineer at Merritt Building, Woodbury, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to The Board of Chosen Freeholders of the County of Gloucester and must be accompanied by a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The standard proposal forms is attached to the specifications, copies of which will be furnished on application to engineer.

By order of The Board of Chosen Freeholders of the County of Gloucester.

CHESTER N. STEELMAN, Clerk.

WILLIAM C. CATTELL, County Engineer.

Bids: March 24.

Foundation Construction

OFFICE OF THE DIRECTOR,
DEPARTMENT OF PUBLIC WORKS
Philadelphia, Pa.

Sealed proposals will be received at Room 216, City Hall, until 12 o'clock noon on Tuesday, March 24, 1925 and opened at that time in Room 216, City Hall, for Foundation Construction comprising Excavation, Concrete Piling, Pile Capping and Bracing for A Municipal Stadium upon City-owned property east of Broad street and south of Pattison avenue, known as East League Island Park.

Plans and proposal forms may be obtained by bidders from the architects, Simon and Simon, at 249 S. Juniper Street, upon the payment of Fifty (50) Dollars, which sum will be refunded upon the return of the said specifications and plans in an undamaged condition and within one week after the opening of bids.

All proposals must be accompanied by a certified check in the amount of five (5) per cent of the bid, in accordance with the ordinance of March 7, 1924 and amendment of July 2, 1924.

GEORGE H. BILES, Director.

Bids: April 27.

Dredging

Leesburg, Fla.

Sealed proposals on blank forms furnished by the City and addressed to the "Mayor and Commissioners, Leesburg, Florida," will be received until 12 o'clock, noon, April 27, 1925, at Leesburg, Florida, for furnishing all equipment and labor and doing the following work:

Approximately 46,500 cu.yds. sand and muck fill.

Each bid shall be accompanied by a certified check for not less than two hundred and fifty dollars ($250.00), made payable to the City Manager.

Plans and specifications can be seen at the office of the City Manager, and bidding blanks may be obtained from him.

The right is reserved to reject any or all bids.

DR. W. A. MACKENZIE, Mayor Commissioner.
D. E. BIVINS, City Manager.
W. E. HARKNESS, City Clerk.
S. H. JAUDON ENGINEERING CO., Engineers.
Leesburg, Florida.